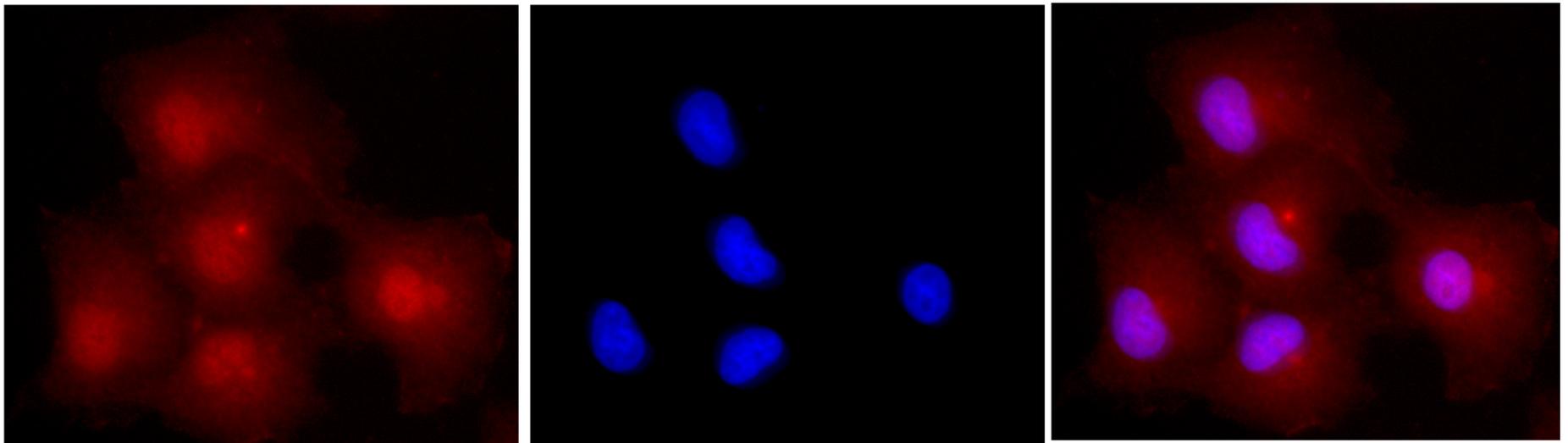
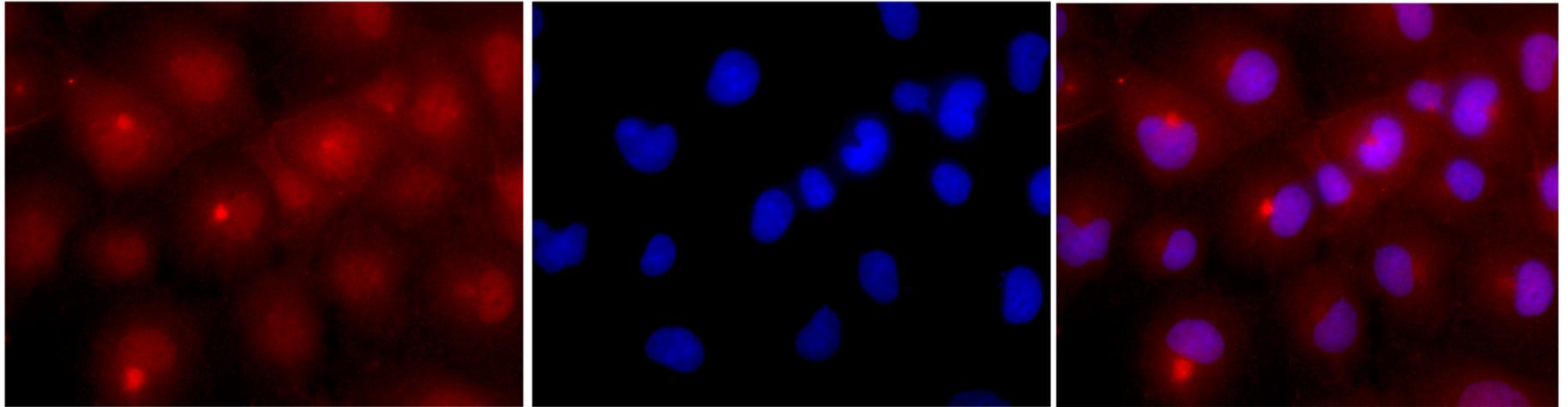


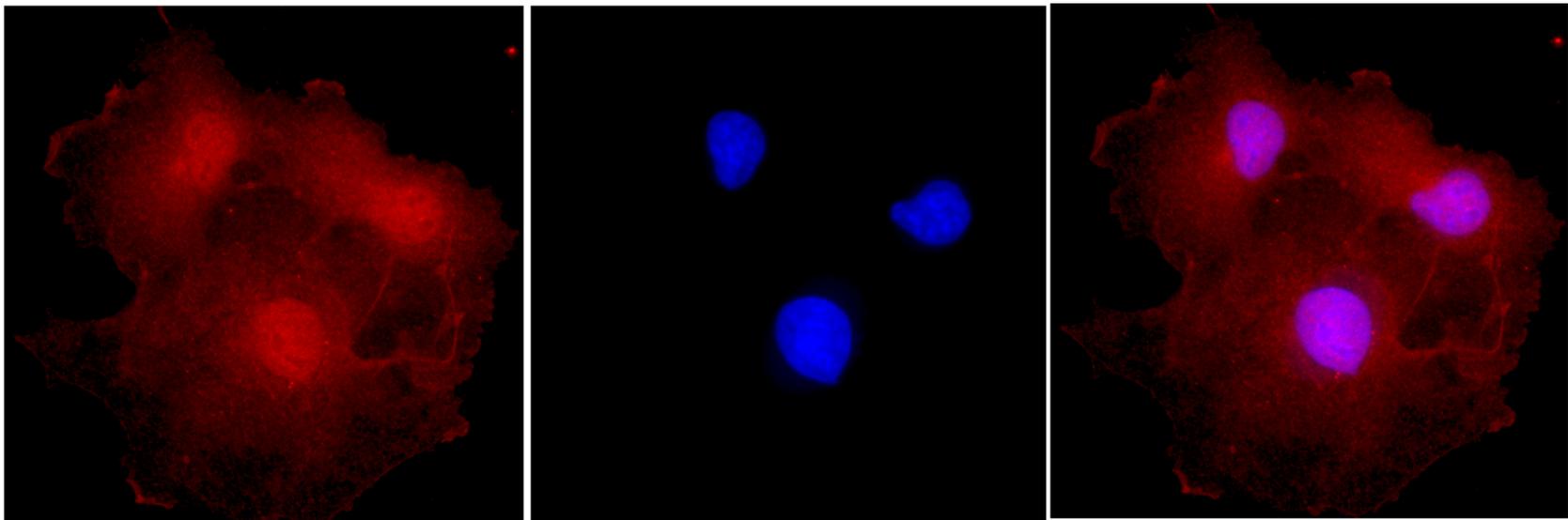
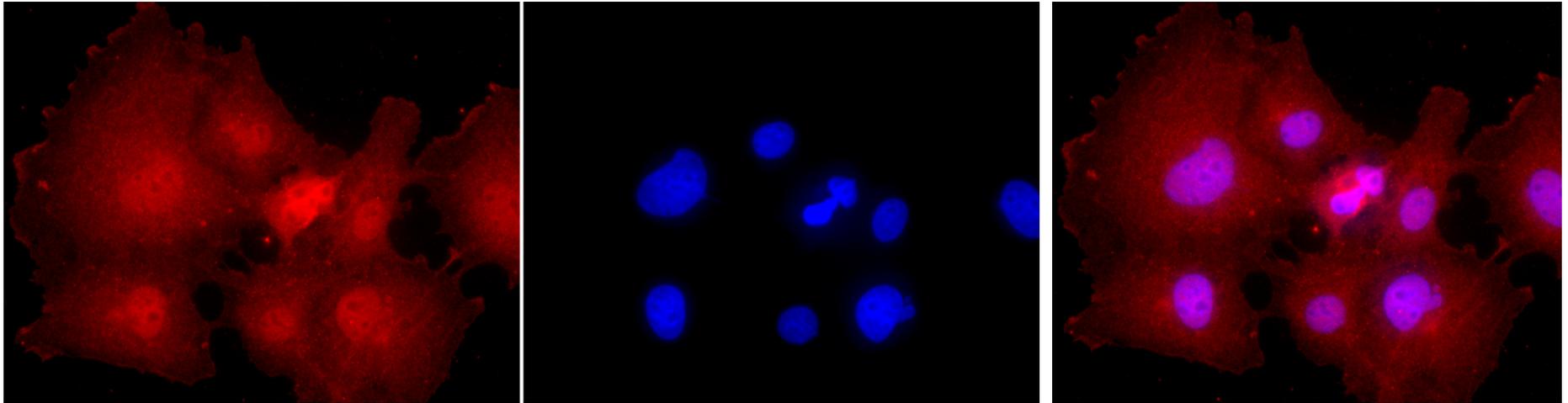
Localization of endogenous A2BP1 in COS1, HEK293 and SH-SY5 Cells using three different antibodies

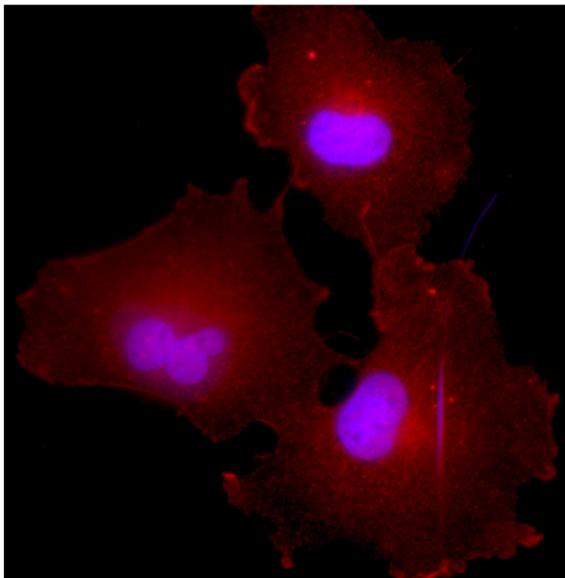
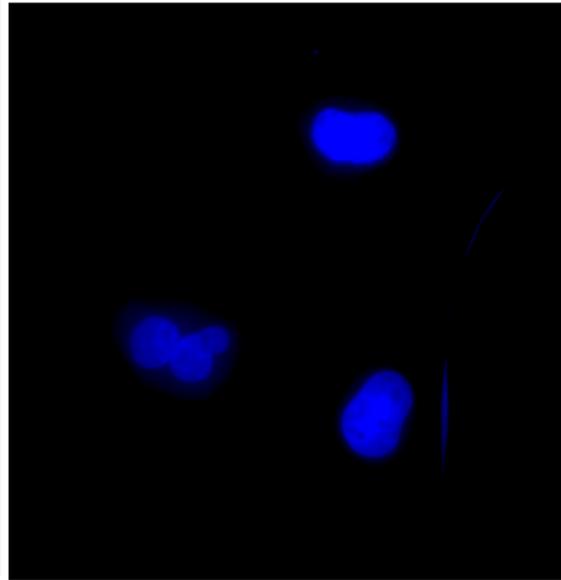
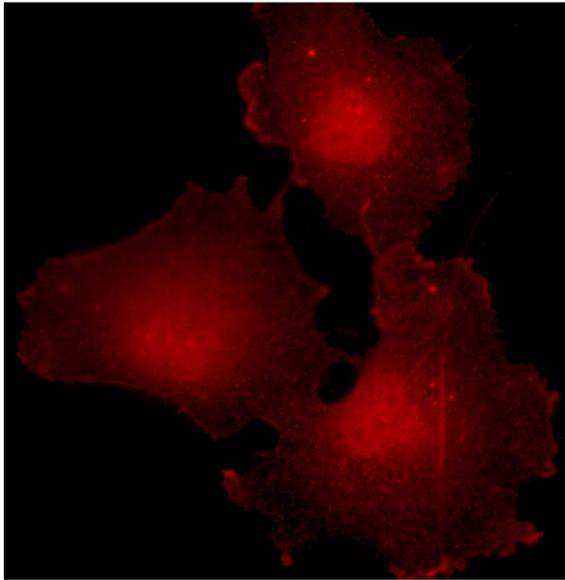
COS1, HEK293, SY cells were stained with three different antibodies – A2BP1-1, A2BP1-2 and Fox-1

Epifluorescence picture of COS1 cells stained with **A2BP1-1** ab
(red) (1:100 dilution) and DAPI (blue) 40X

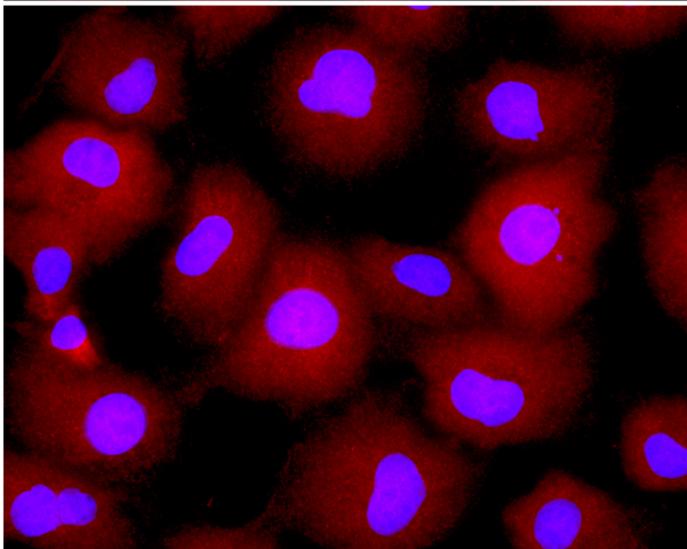
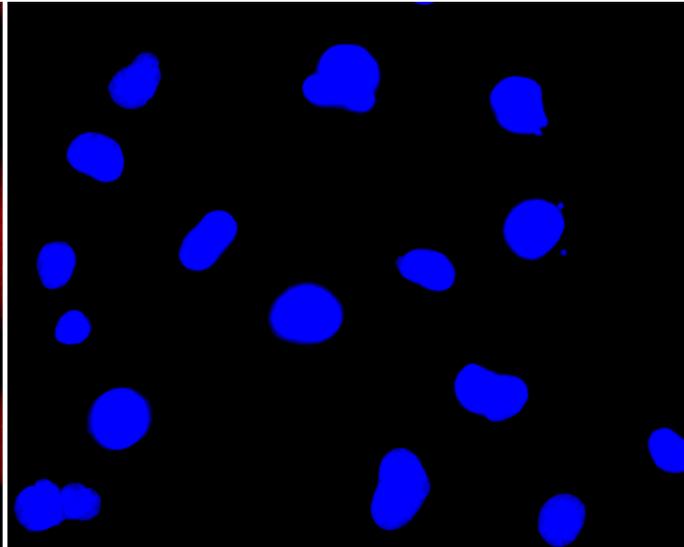
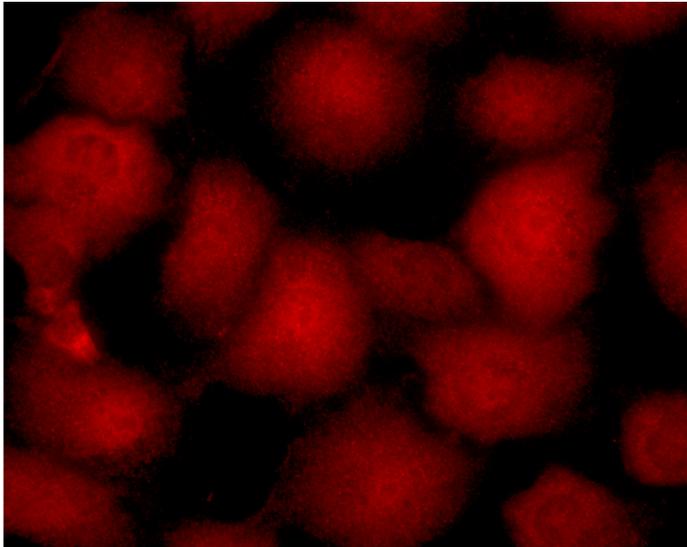


Epifluorescence picture of COS1 Cells stained with
A2BP1-2 ab (red) (1:100 dilution) and DAPI (blue) 40X

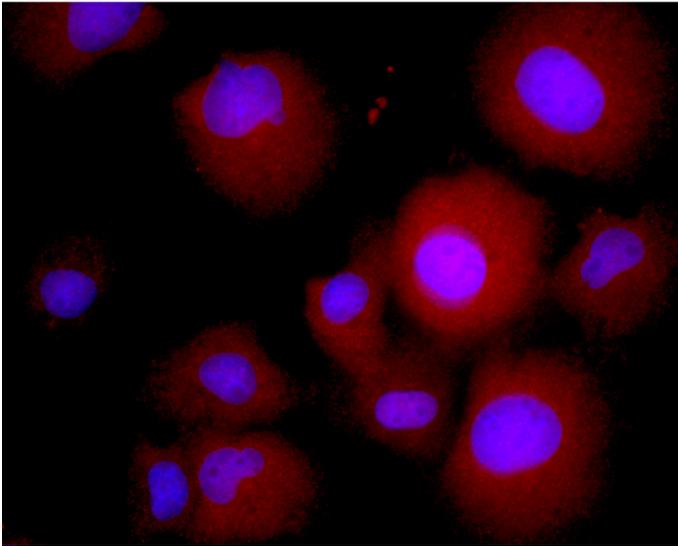
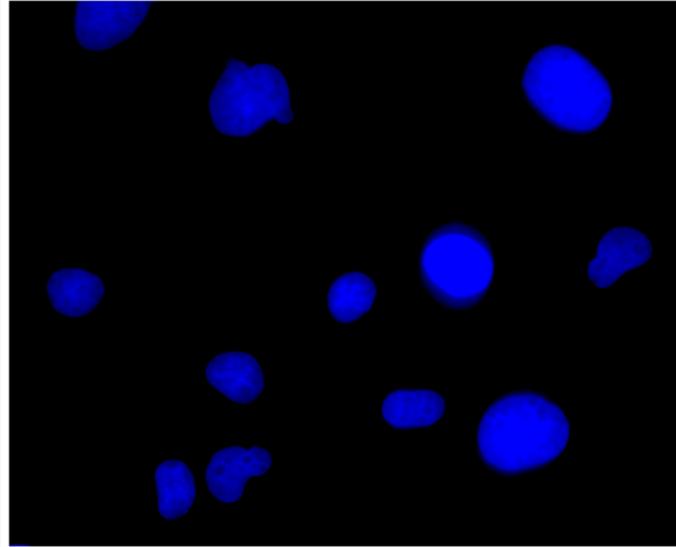
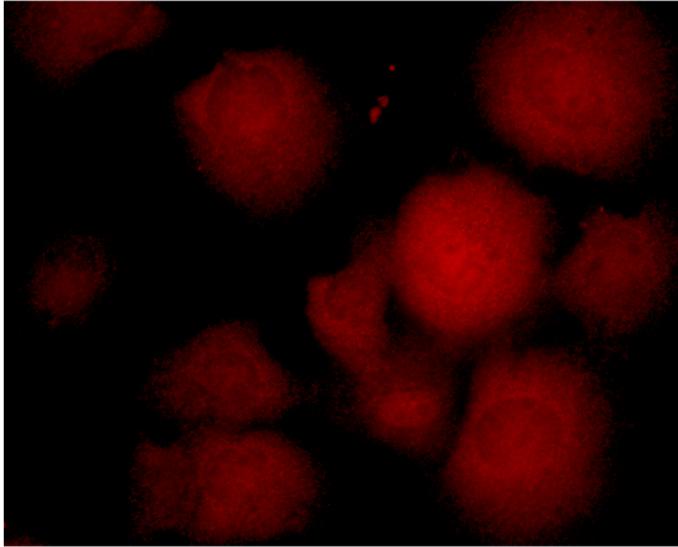




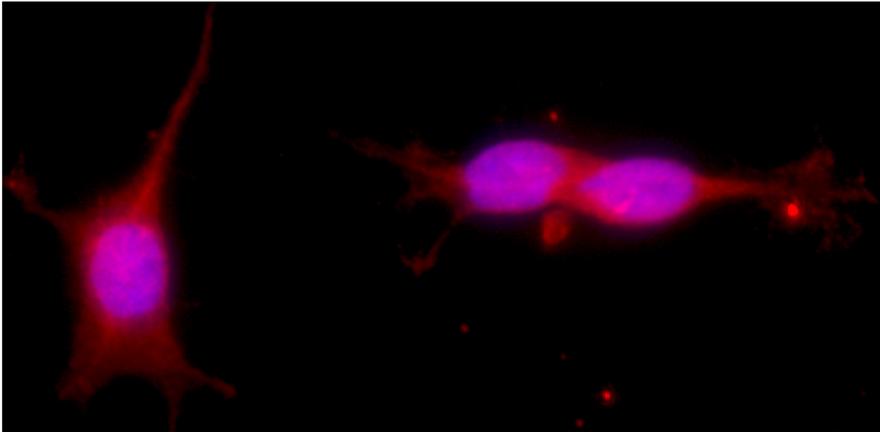
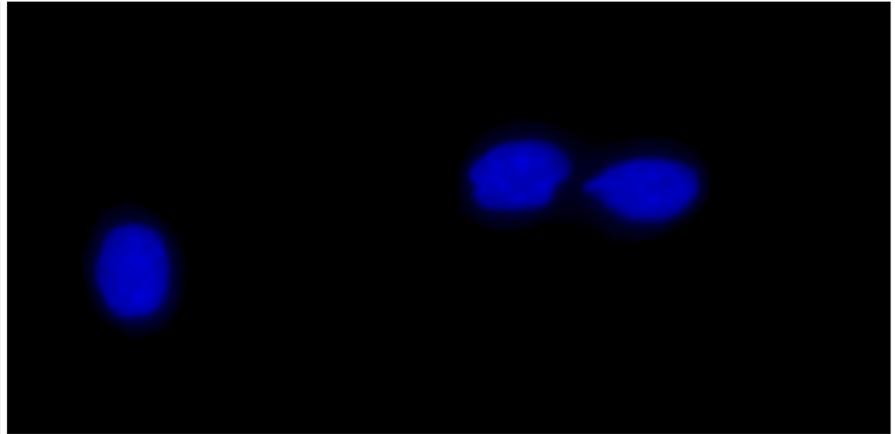
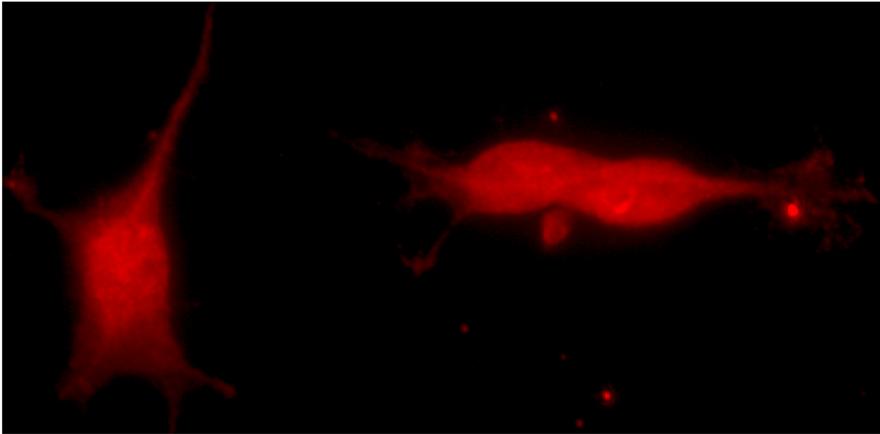
Epifluorescence picture of COS1
Cells stained with **A2BP1-2** ab (red)
(1:100 dilution) and DAPI (blue)
40X



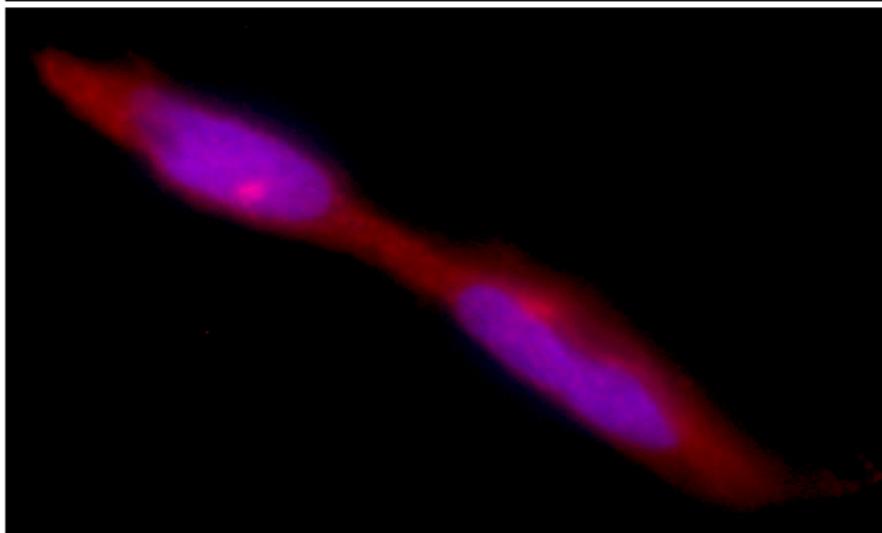
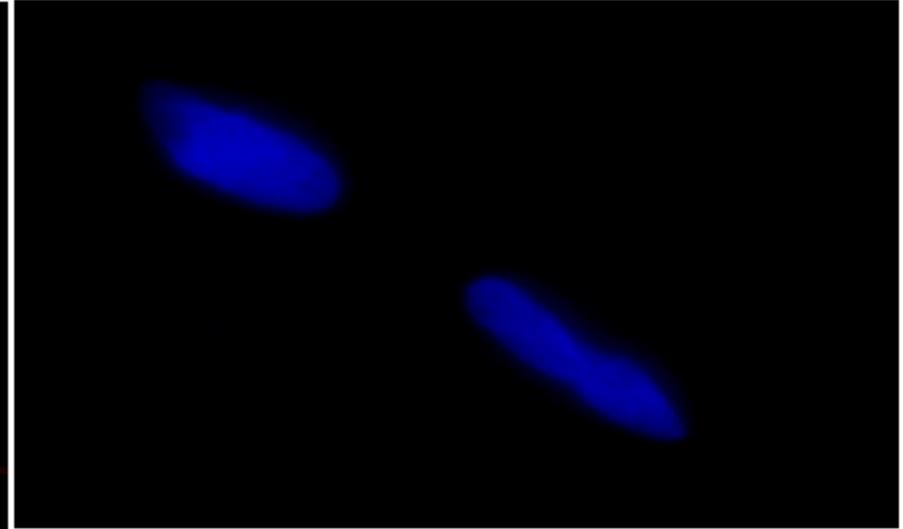
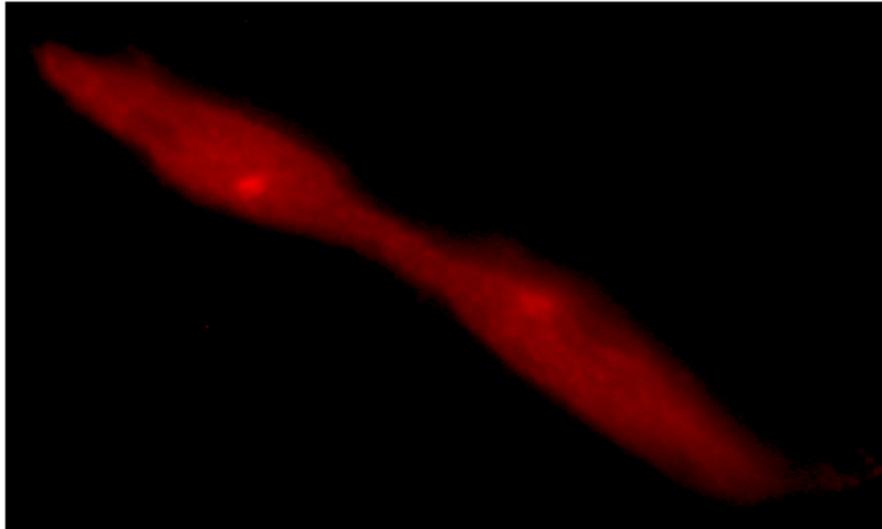
Epifluorescence picture of COS1
Cells stained with FOX-1 ab (red)
(1:500 dilution) and DAPI (blue)
40X



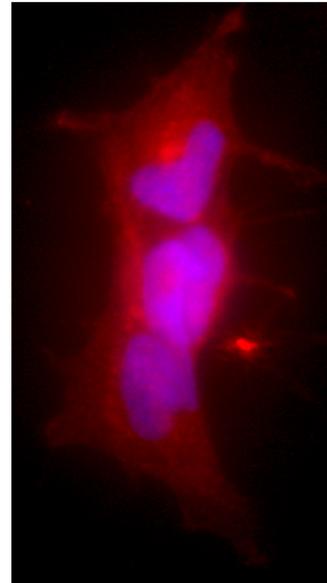
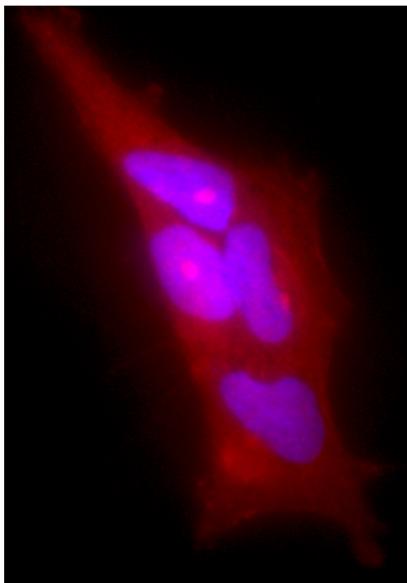
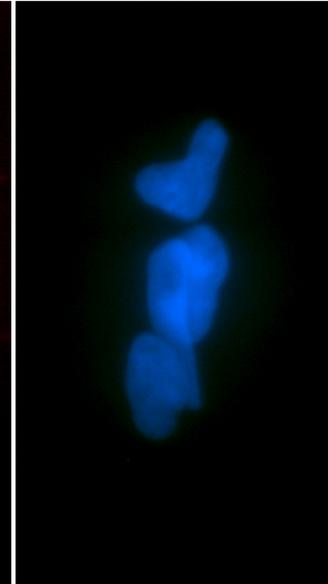
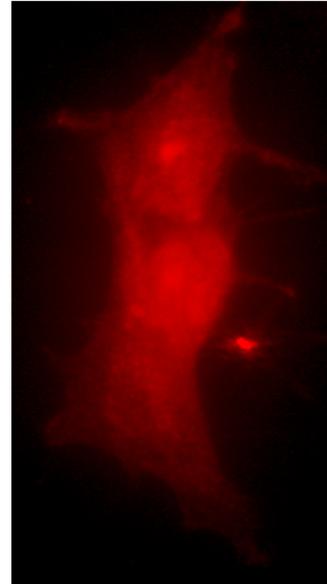
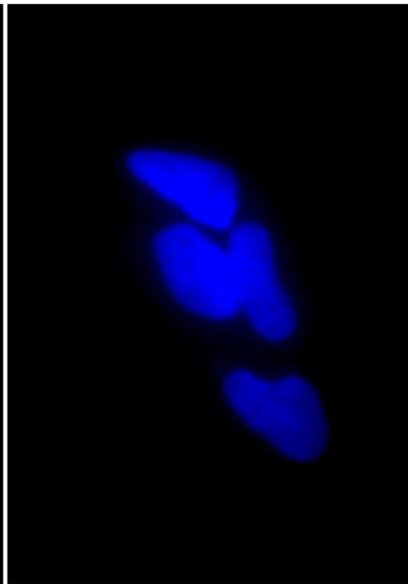
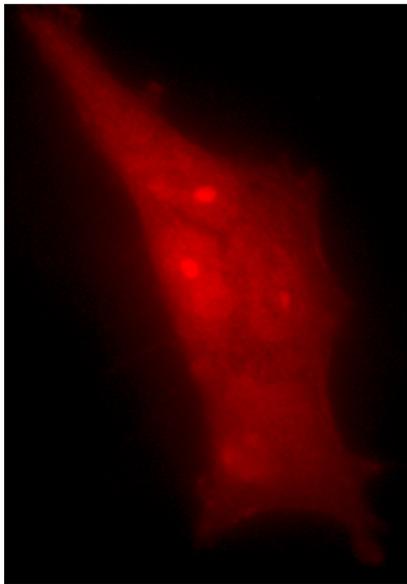
Epifluorescence picture of COS1
Cells stained with **FOX-1** ab (red)
(1:500 dilution) and DAPI (blue)
40X



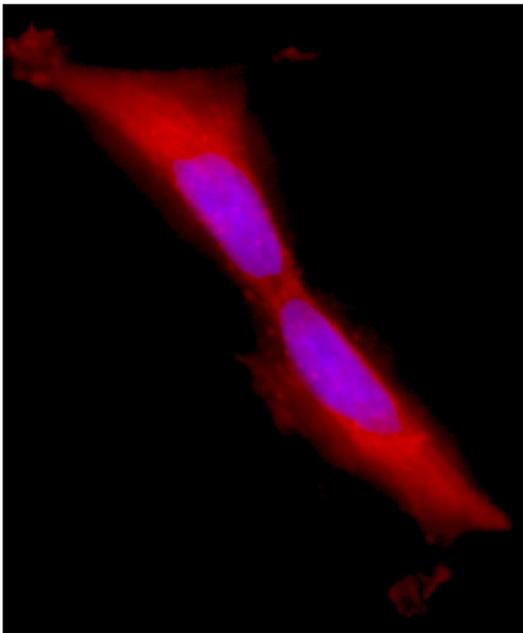
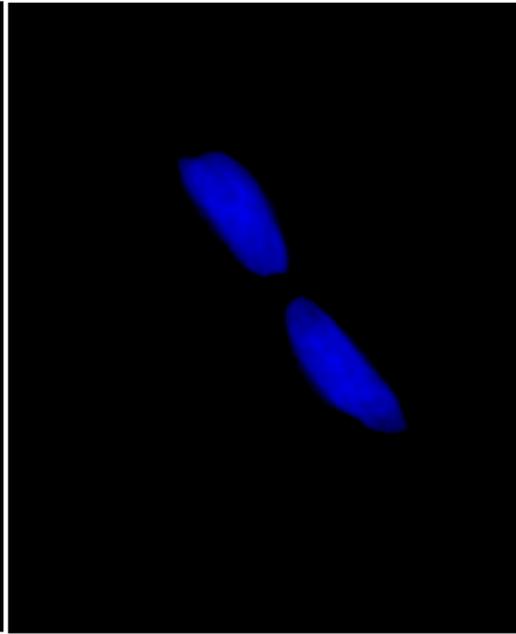
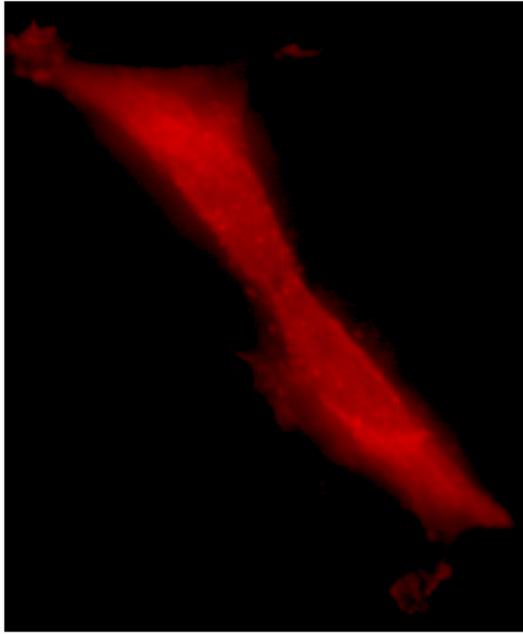
Epifluorescence picture of HEK293
Cells stained with **A2BP1-1** ab (red)
(1:100 dilution) and DAPI (blue)
40X



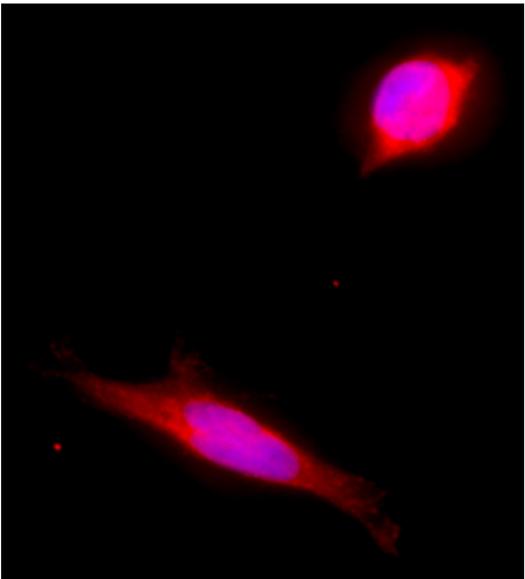
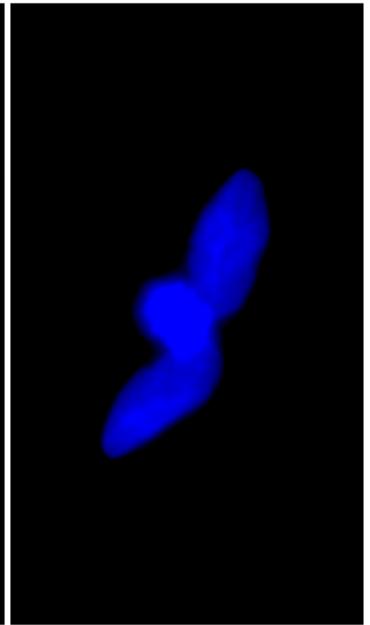
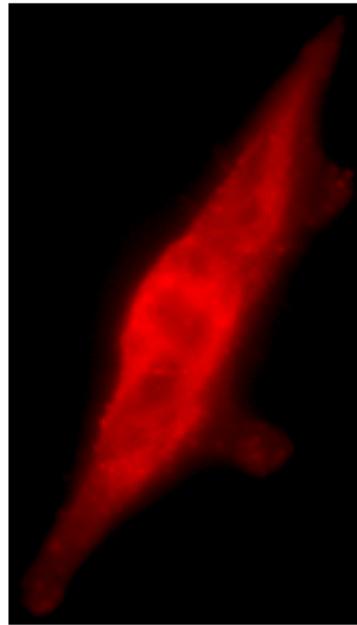
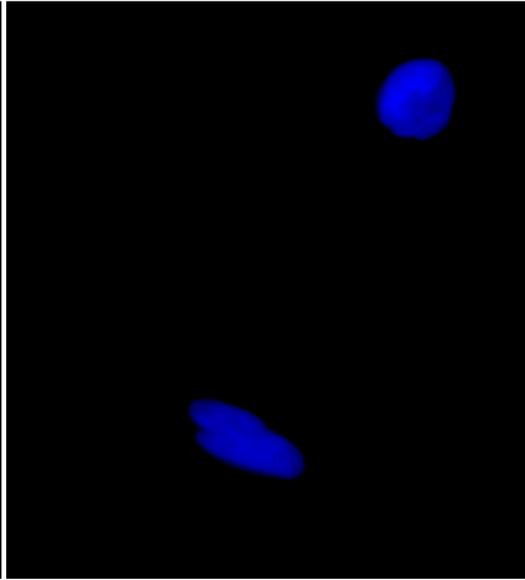
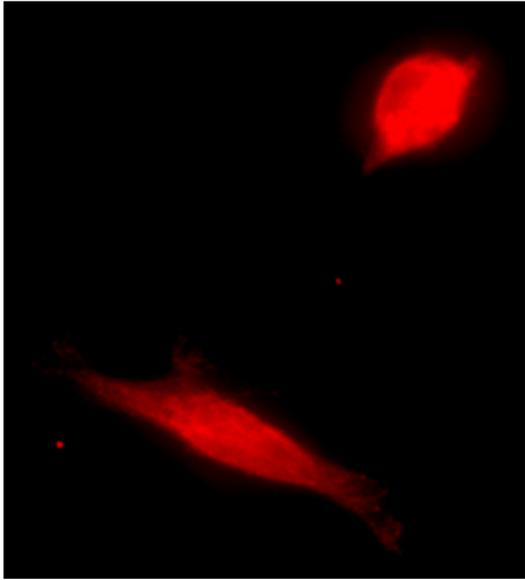
Epifluorescence picture of HEK293
Cells stained with **A2BP1-1** ab (red)
(1:100 dilution) and DAPI (blue)
40X



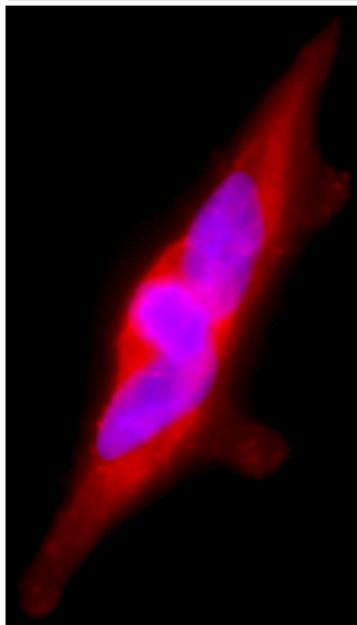
Epifluorescence picture of HEK293 cells stained with **A2BP1-1** ab (red) (1:100 dilution) and DAPI (blue) 40X

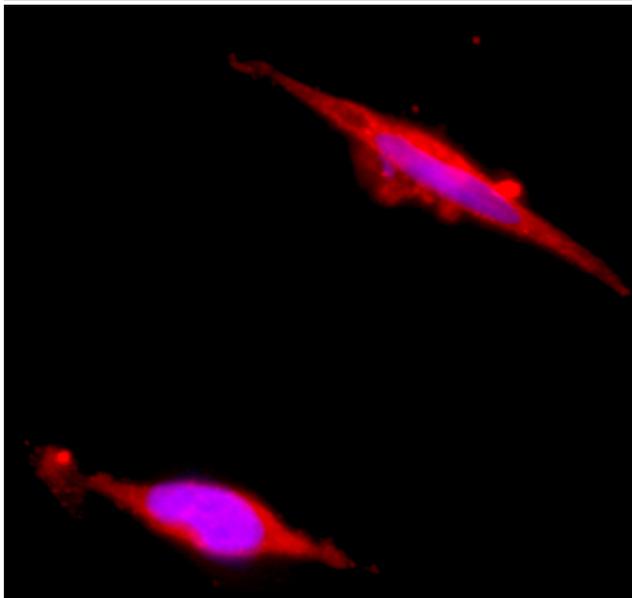
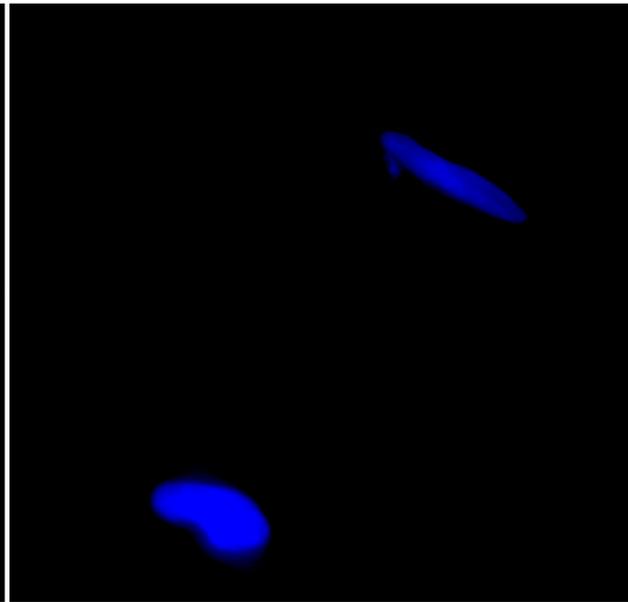
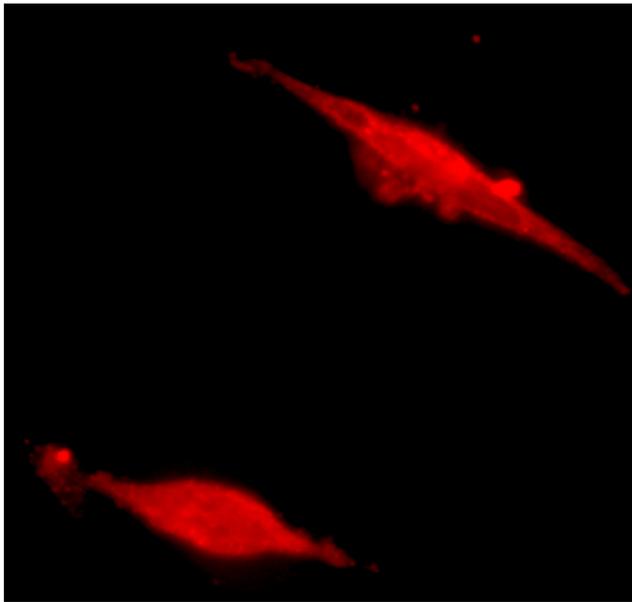


Epifluorescence picture of HEK293 cells stained with **A2BP1-2** ab (red) (1:100 dilution) and DAPI (blue) 40X

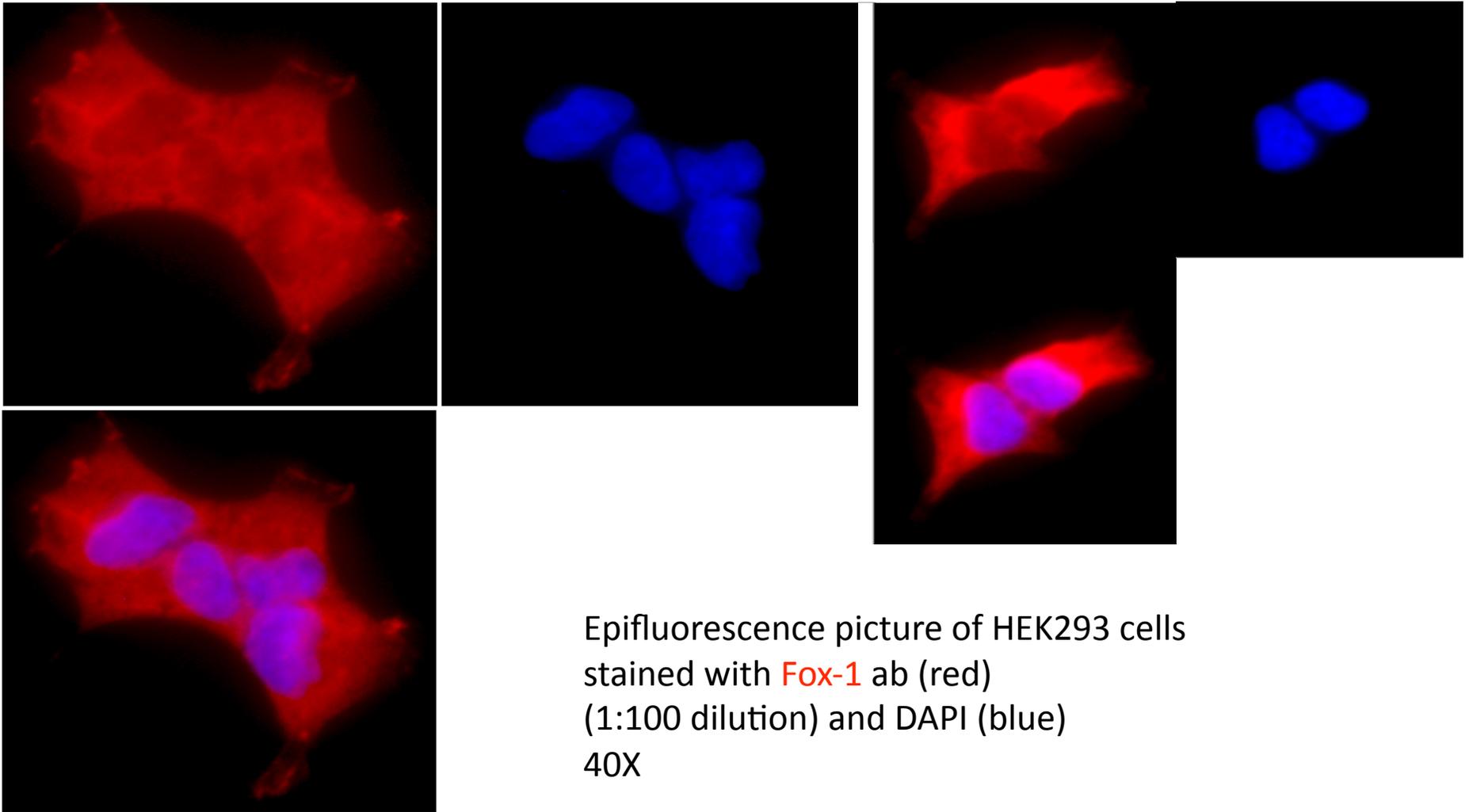


Epifluorescence
picture of HEK293
Cells stained with
A2BP1-2 ab (red)
(1:100 dilution) and
DAPI (blue)
40X

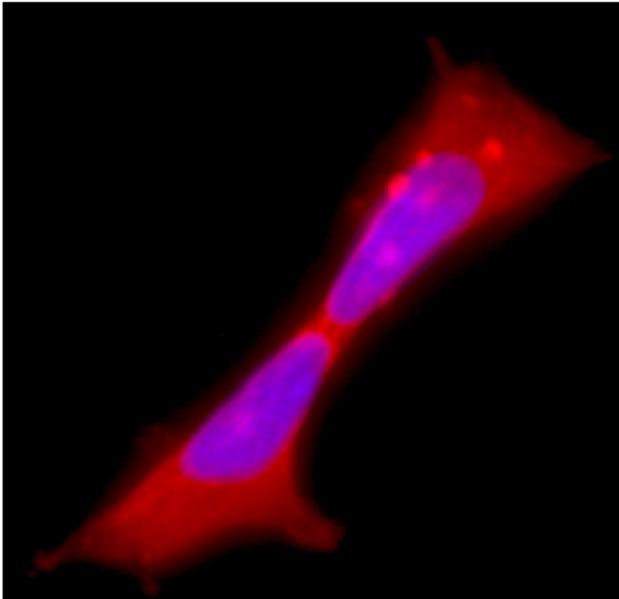
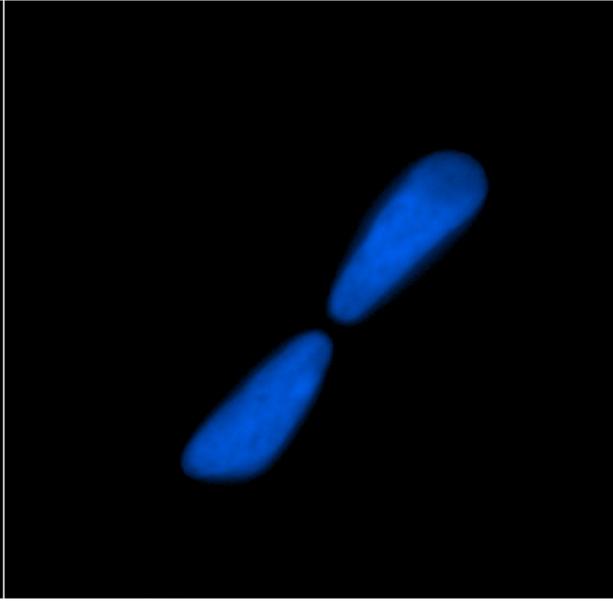
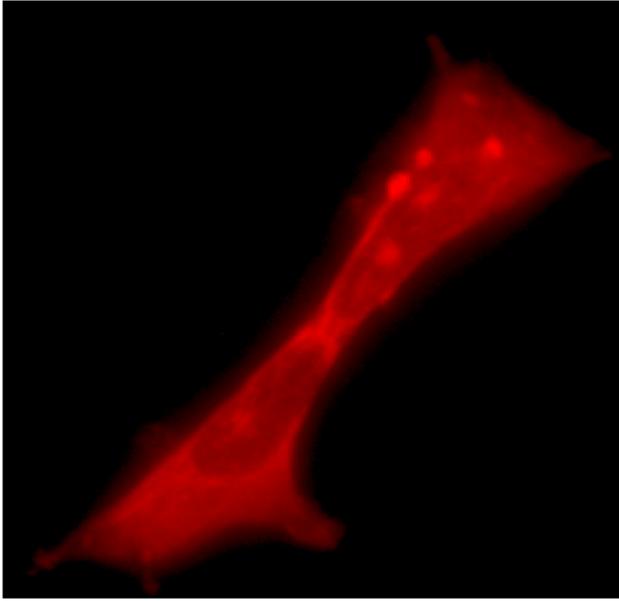




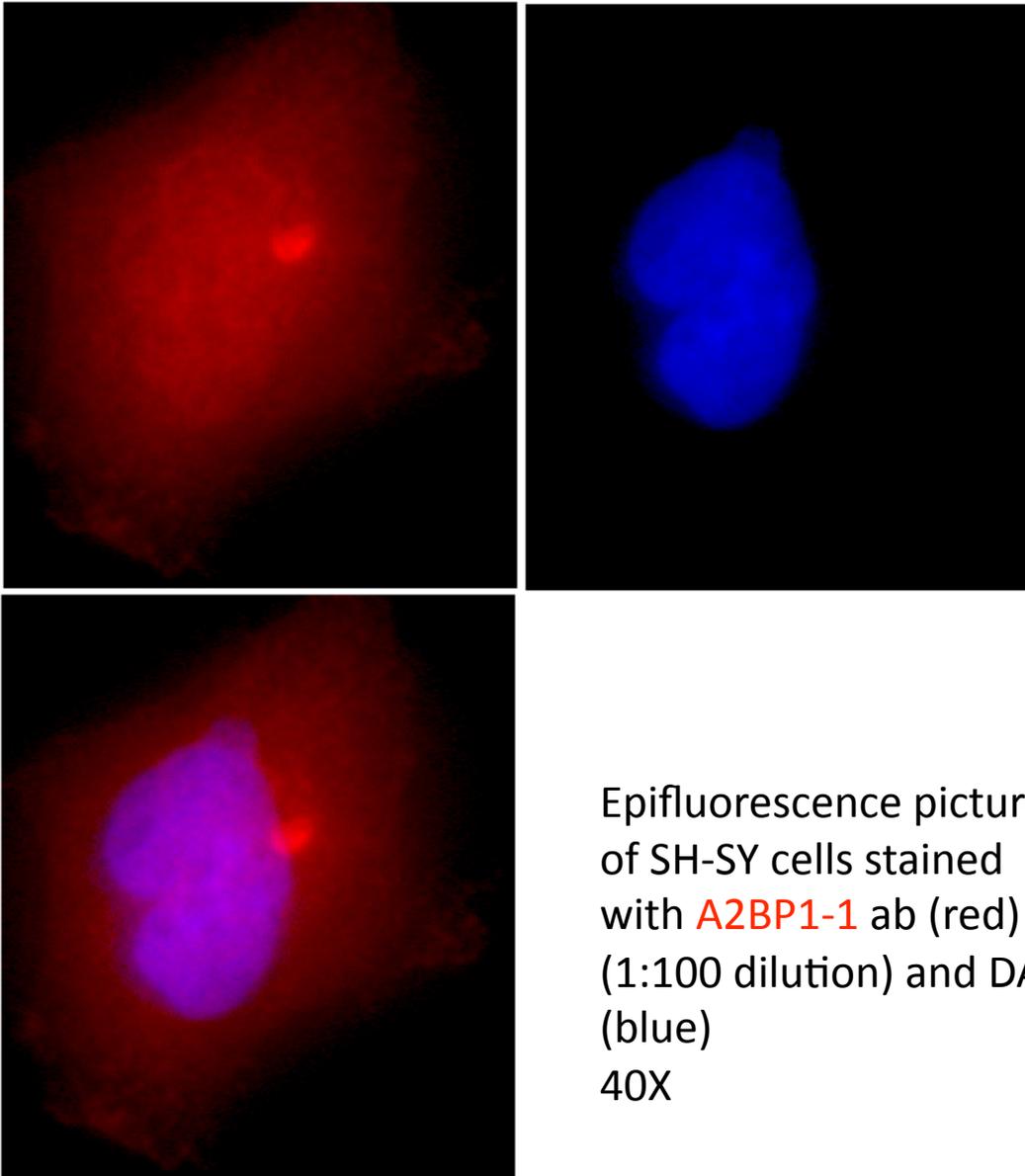
Epifluorescence picture of HEK293 cells stained with **A2BP1-2** ab (red) (1:100 dilution) and DAPI (blue) 40X



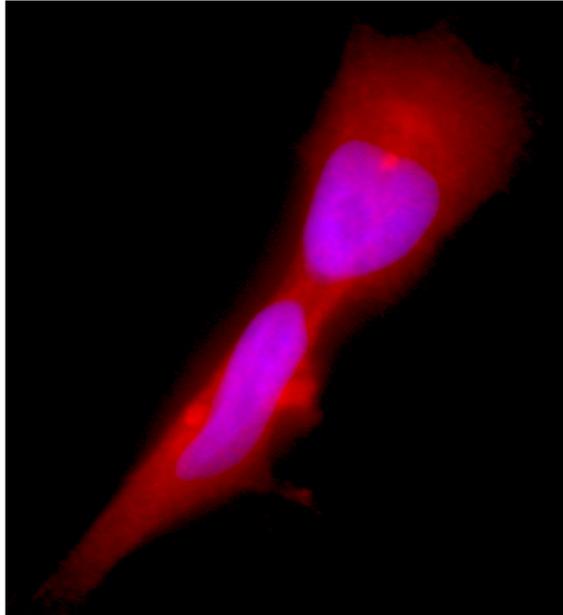
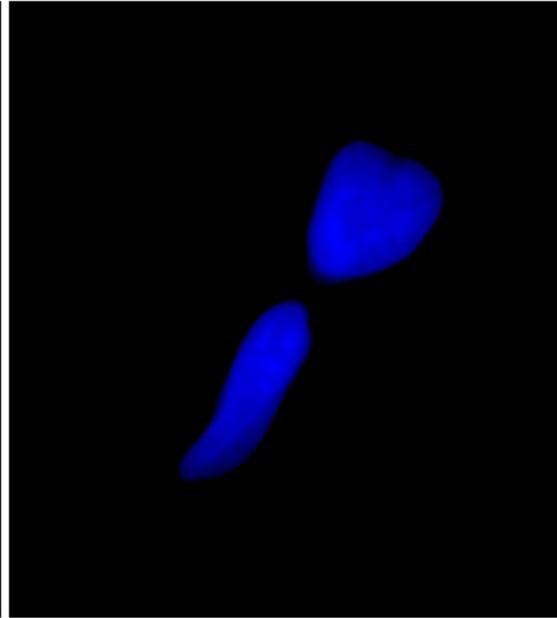
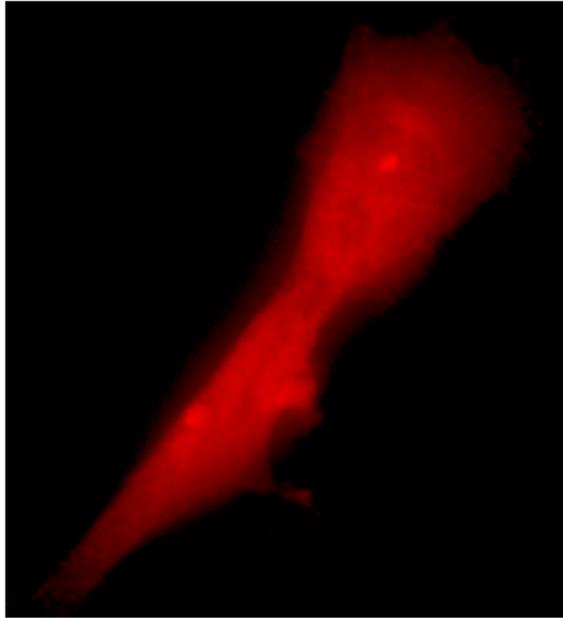
Epifluorescence picture of HEK293 cells
stained with **Fox-1** ab (red)
(1:100 dilution) and DAPI (blue)
40X



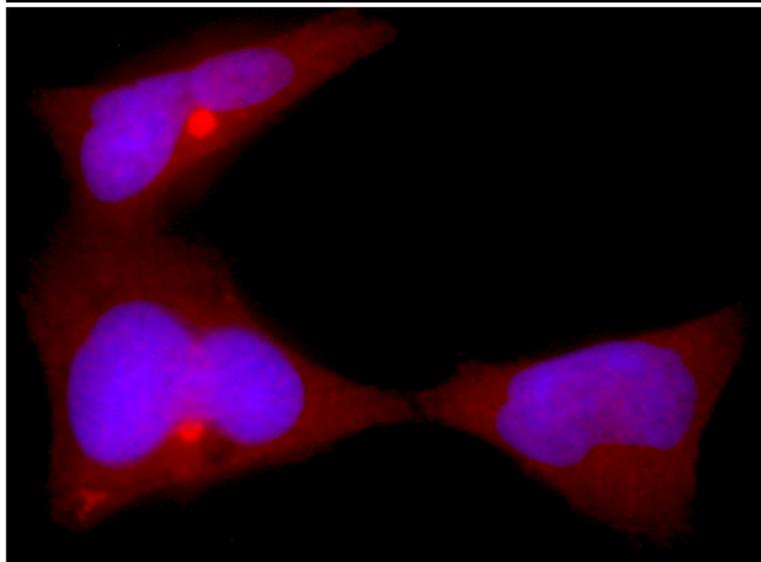
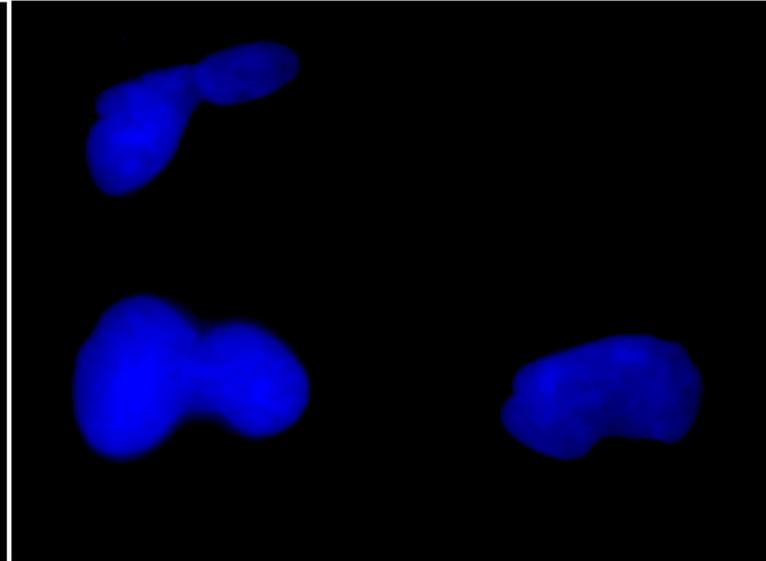
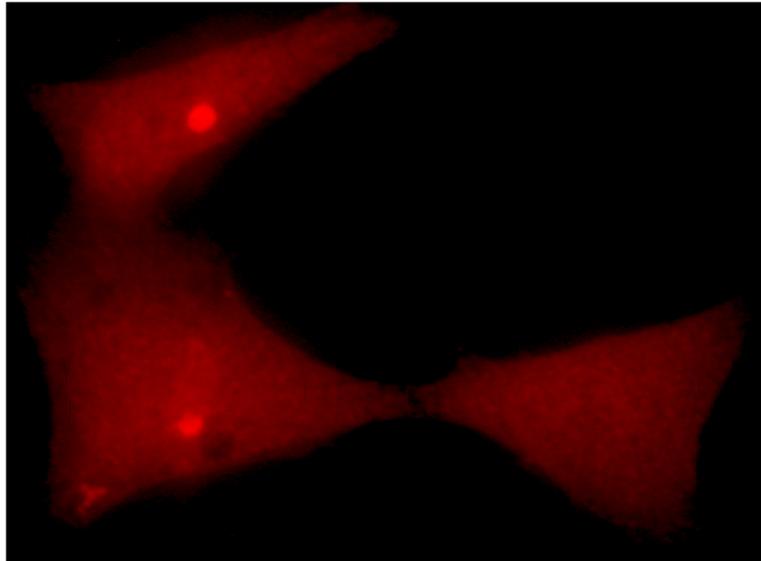
Epifluorescence picture of HEK293 cells
stained with **Fox-1** ab (red)
(1:100 dilution) and DAPI (blue)
40X



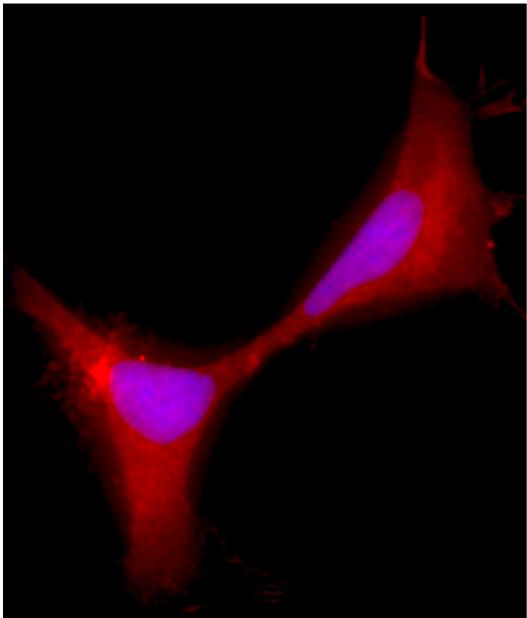
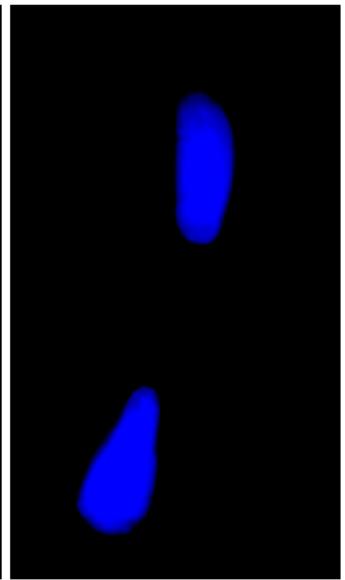
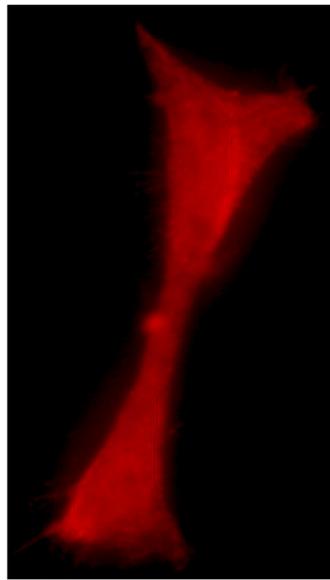
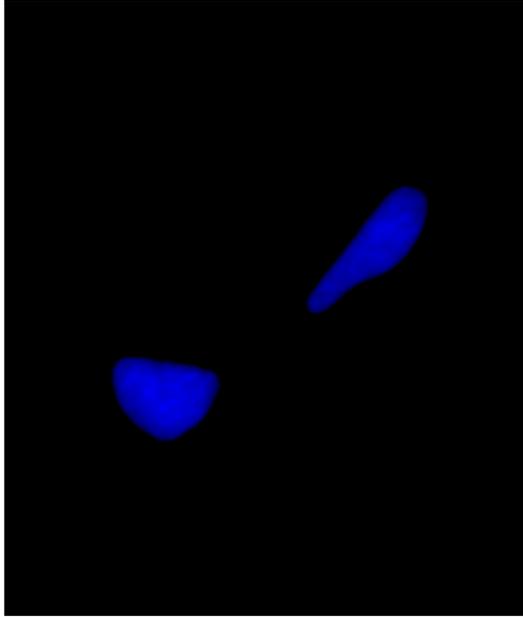
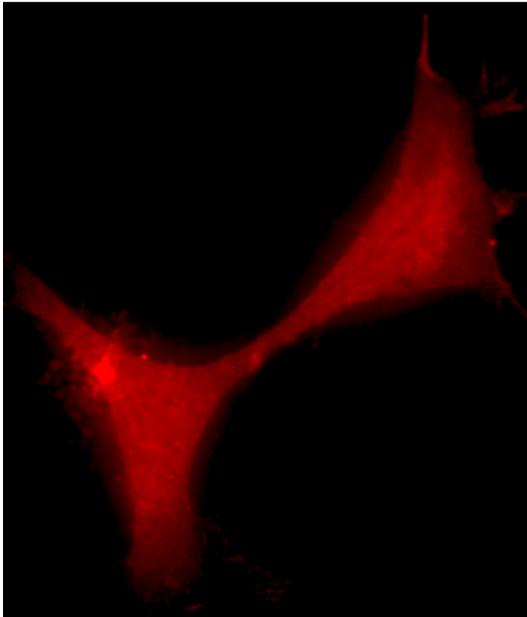
Epifluorescence picture
of SH-SY cells stained
with **A2BP1-1** ab (red)
(1:100 dilution) and DAPI
(blue)
40X



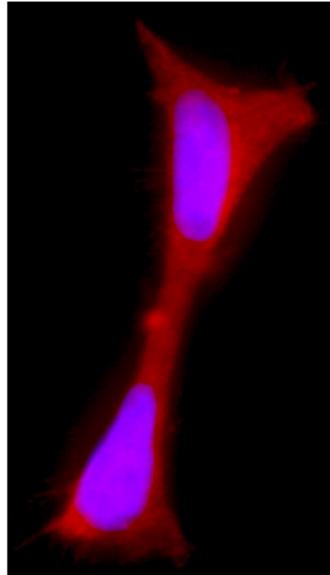
Epifluorescence picture of SH-SY cells stained with **A2BP1-1** ab (red) (1:100 dilution) and DAPI (blue) 40X

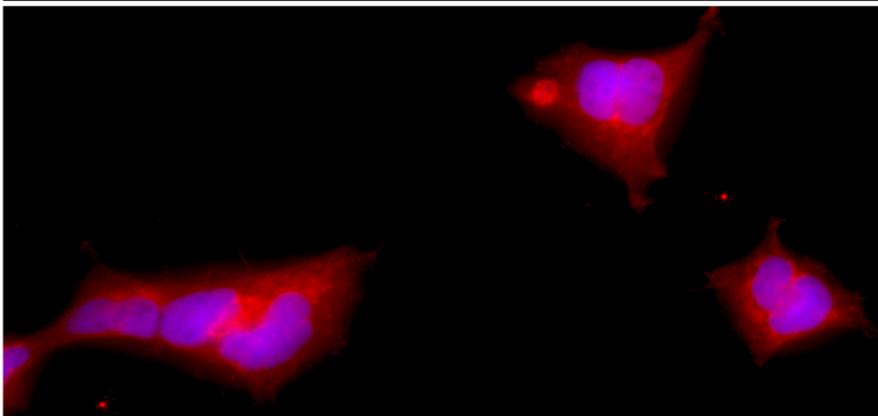
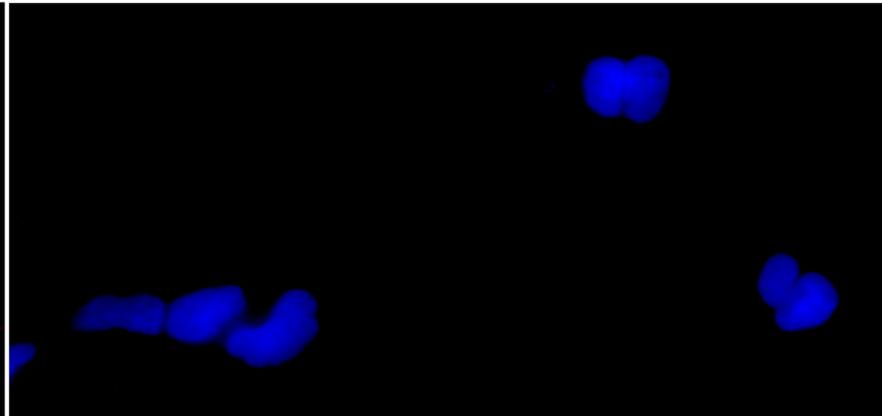
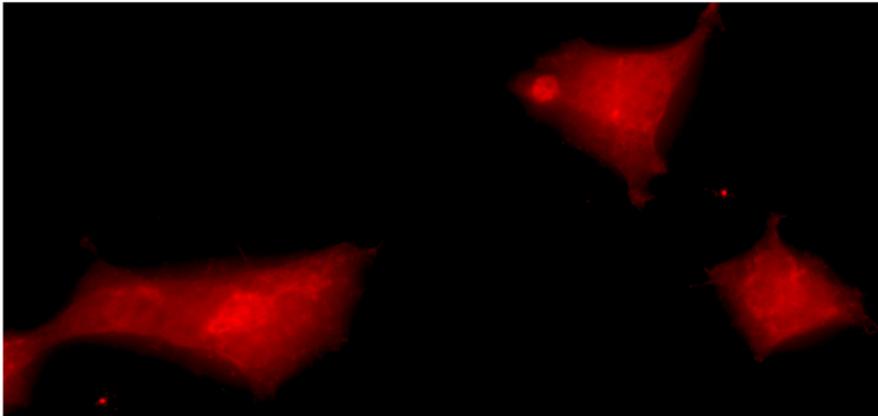


Epifluorescence picture
of SH-SY cells stained
with **A2BP1-1** ab (red)
(1:100 dilution) and DAPI
(blue)
40X

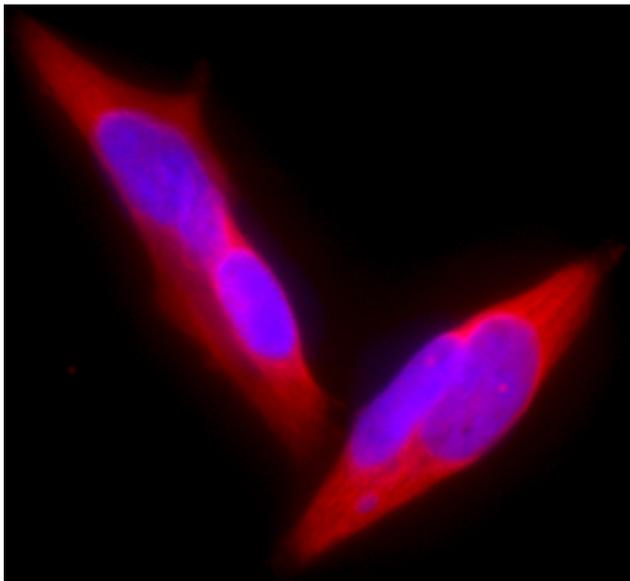
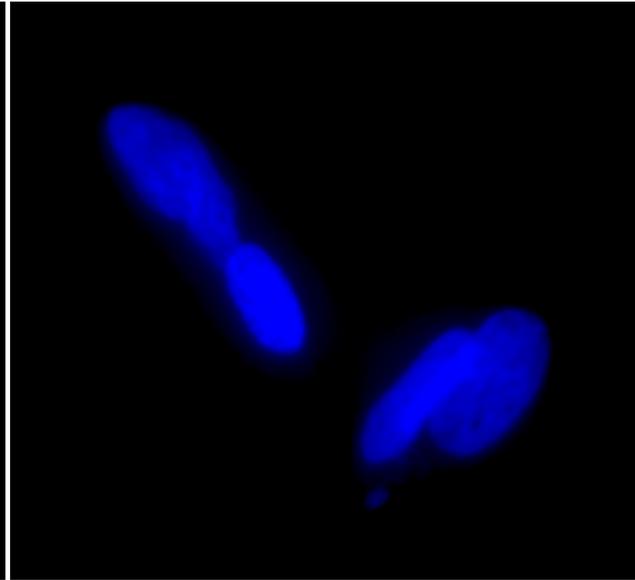
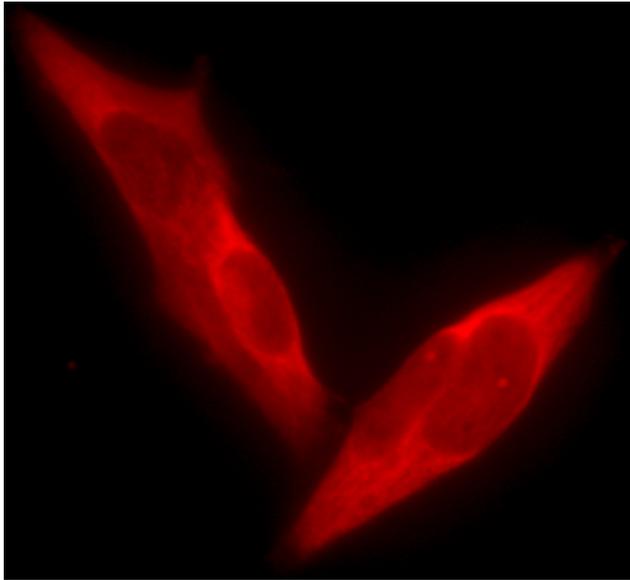


Epifluorescence picture of SH-SY cells stained with **A2BP1-2** ab (red) (1:100 dilution) and DAPI (blue) 40X

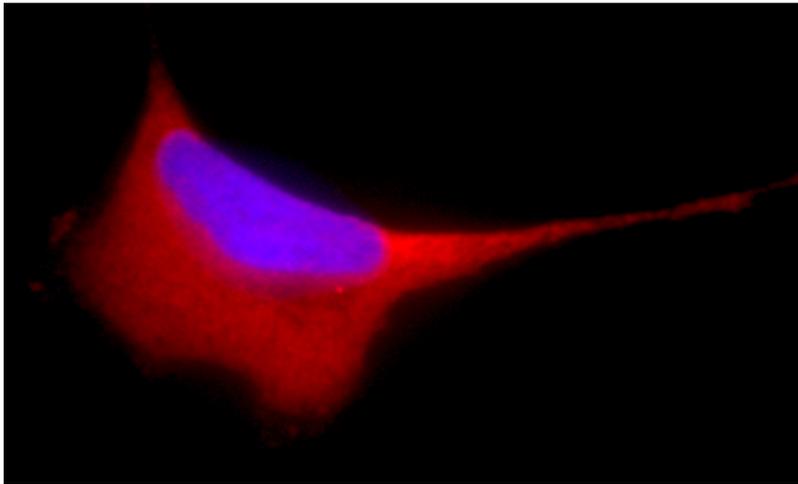
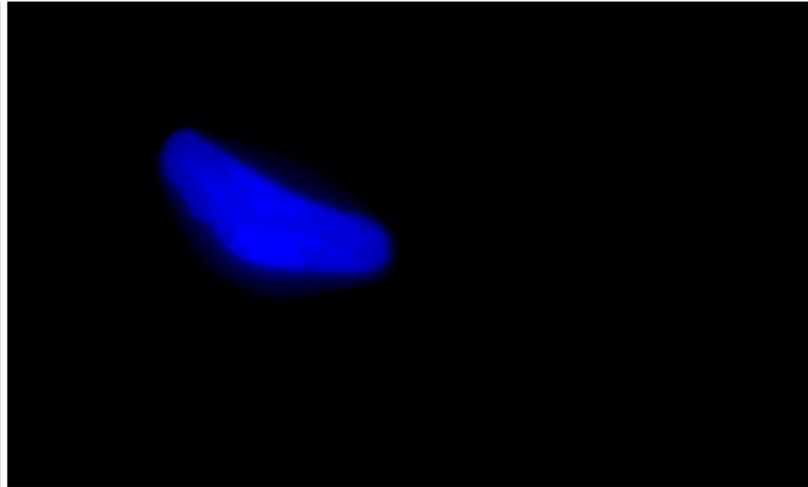
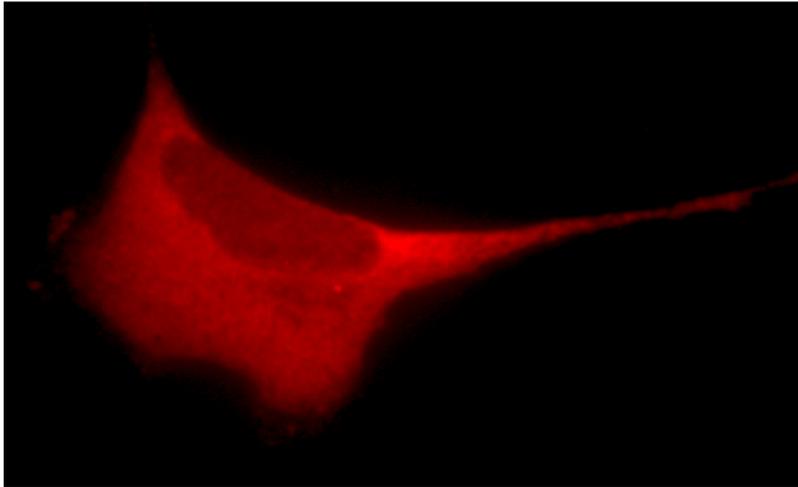




Epifluorescence picture of SH-SY cells stained with **A2BP1-2** ab (red) (1:100 dilution) and DAPI (blue) 40X



Epifluorescence picture
of SH-SY cells stained
with **Fox-1** ab (red)
(1:500 dilution) and DAPI
(blue)
40X



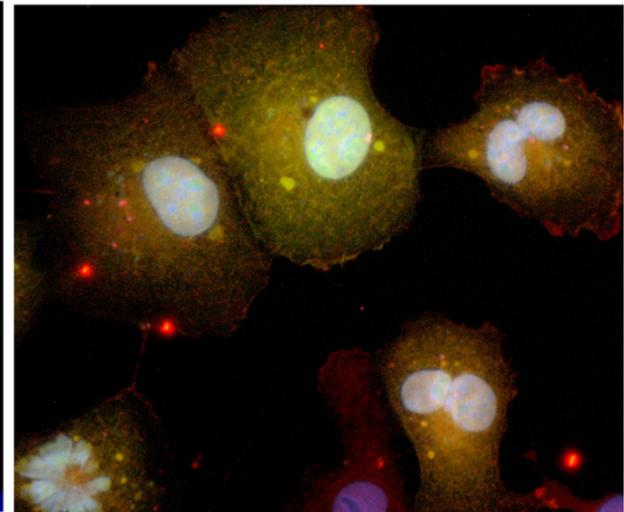
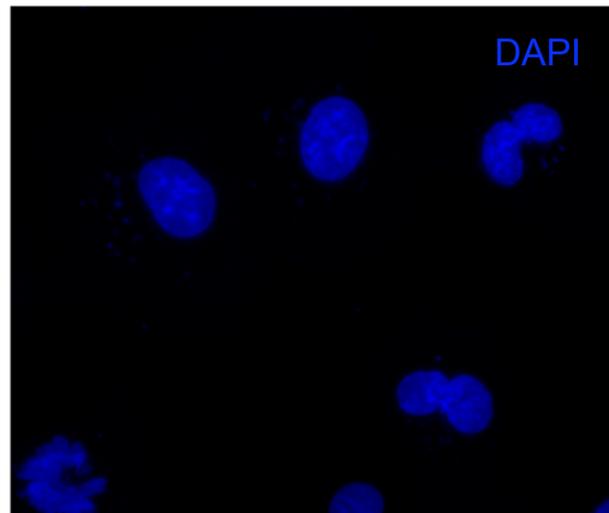
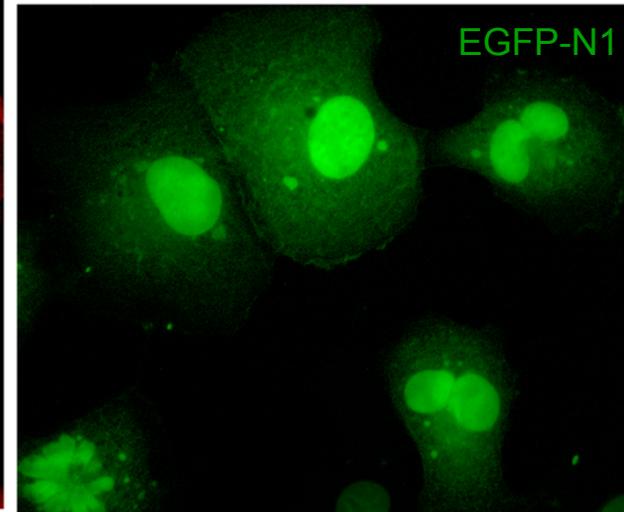
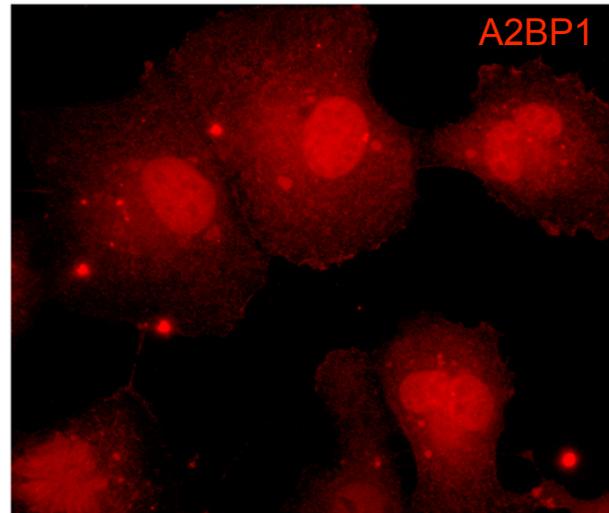
Epifluorescence picture of SH-SY cells stained with **Fox-1** ab (red) (1:500 dilution) and DAPI (blue) 40X

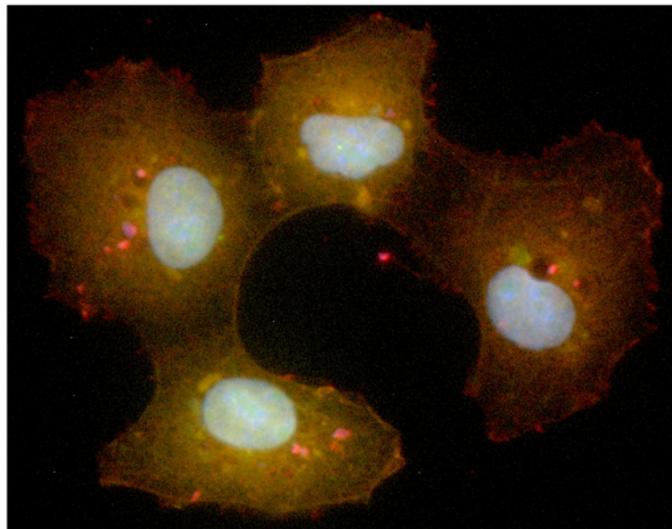
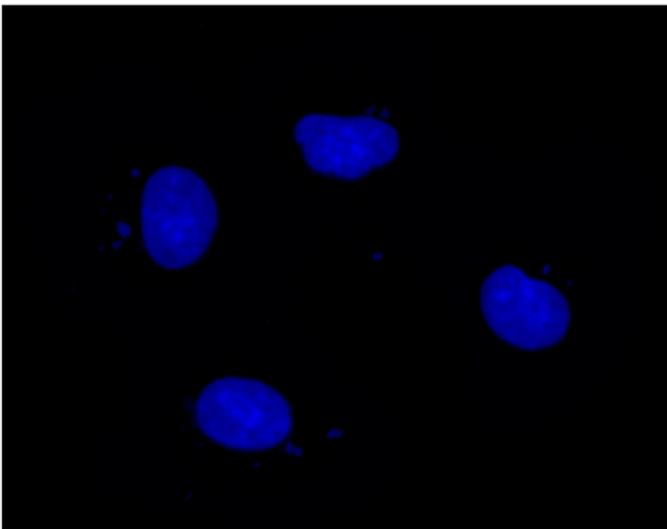
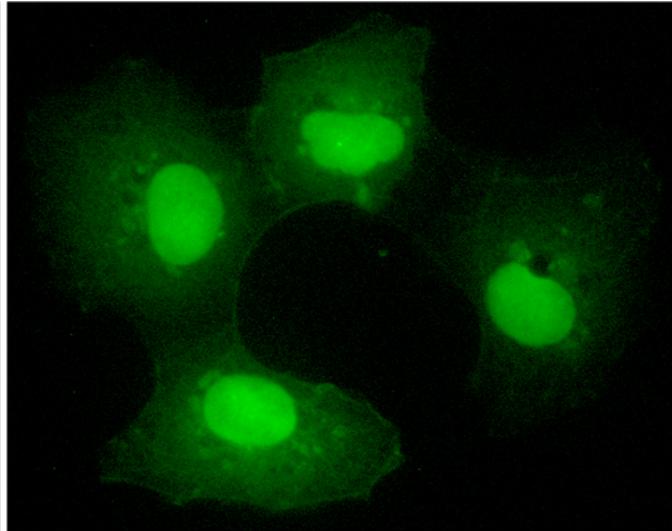
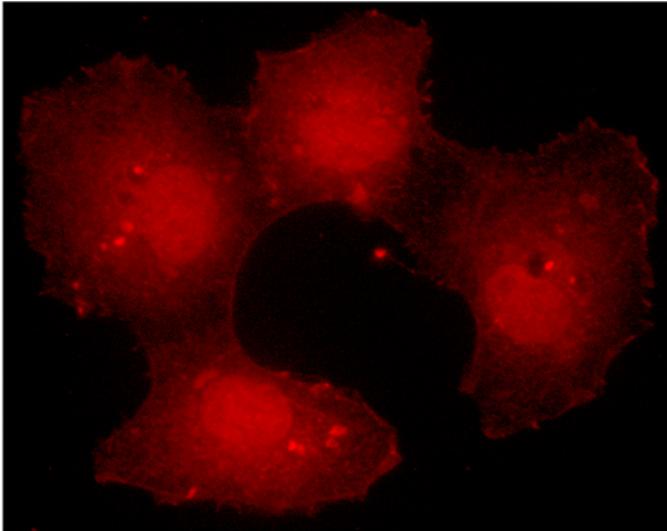
	A2BP1		A2BP2		Fox-1	
	Nuc	Cyto	Nuc	Cyto	Nuc	Cyto
COS1	++	+	+++	++	+	+++
HEK293	++	++	++	++	+	+++
SH-SY	++	++	++	++	+	+++

**Localization of endogenous A2BP1 in COS1 cells
transfected with mutant ataxin2 constructs**

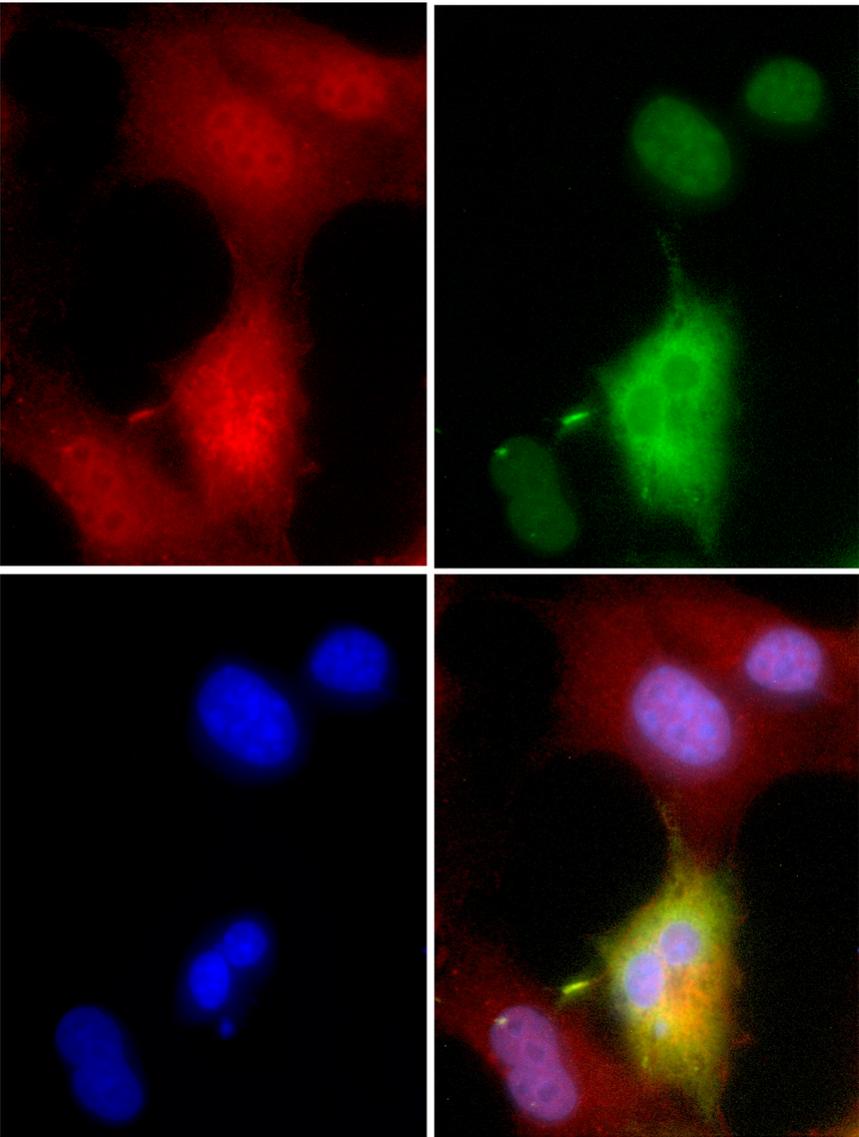
COS1 cells transfected with EGFP-N1 and stained with A2BP-2 ab

Green – EGFP-N1
Red – A2BP1
Blue - DAPI

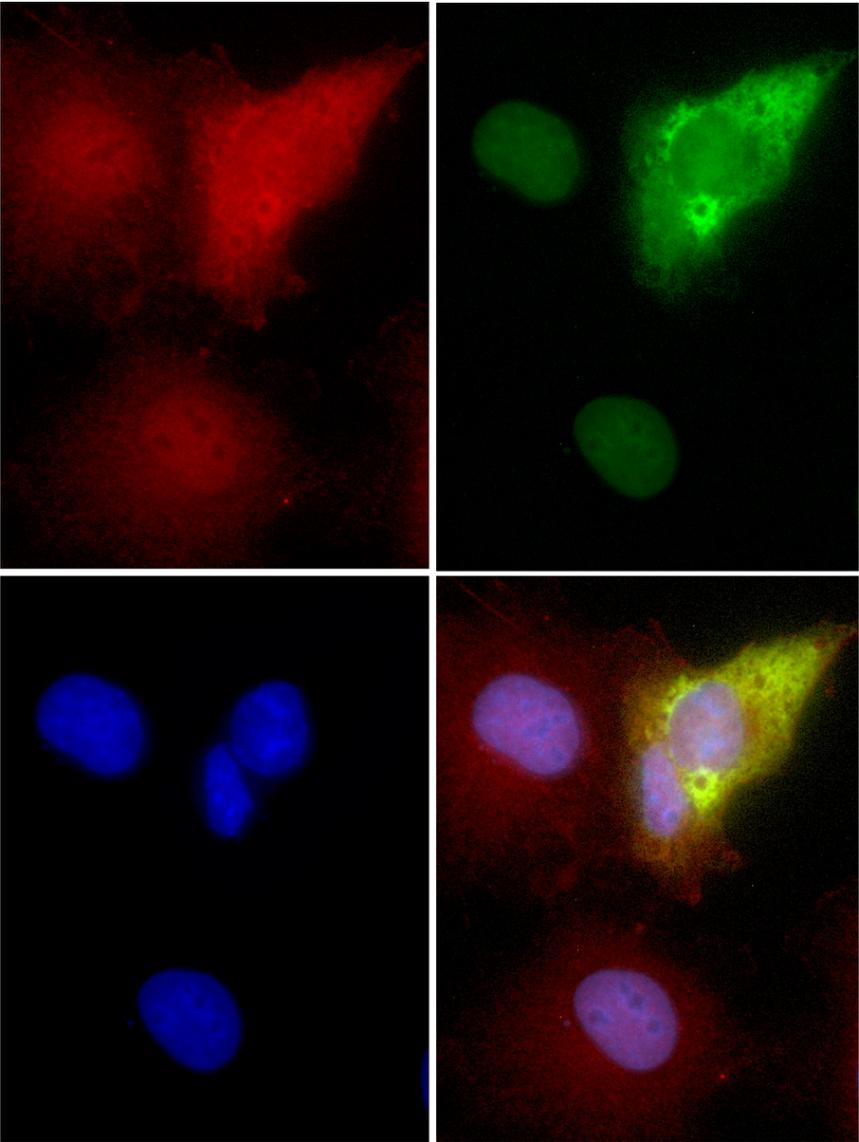




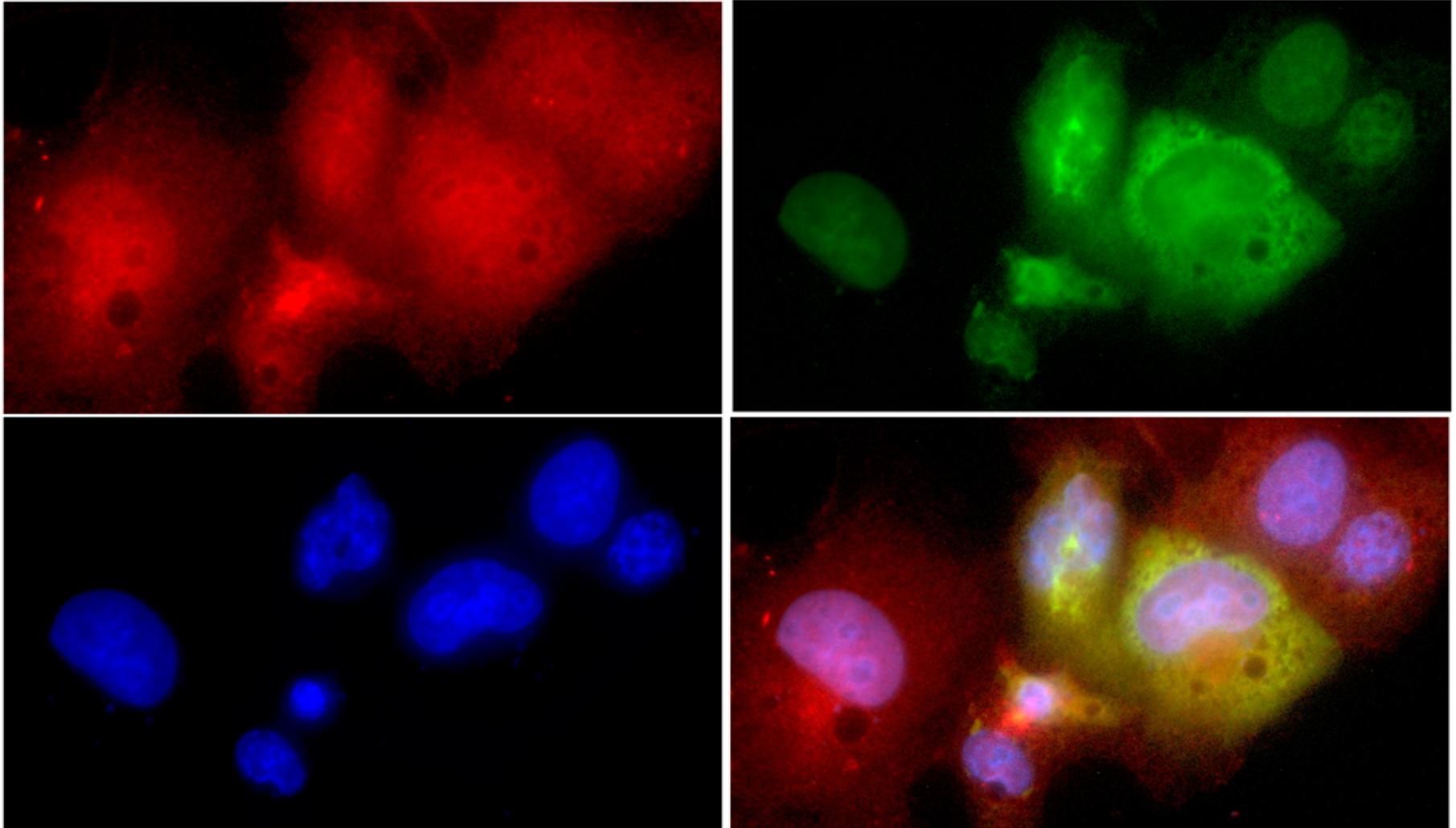
COS1 cells transfected with GFP-Atxn2-Q22 and stained with A2BP-2 ab



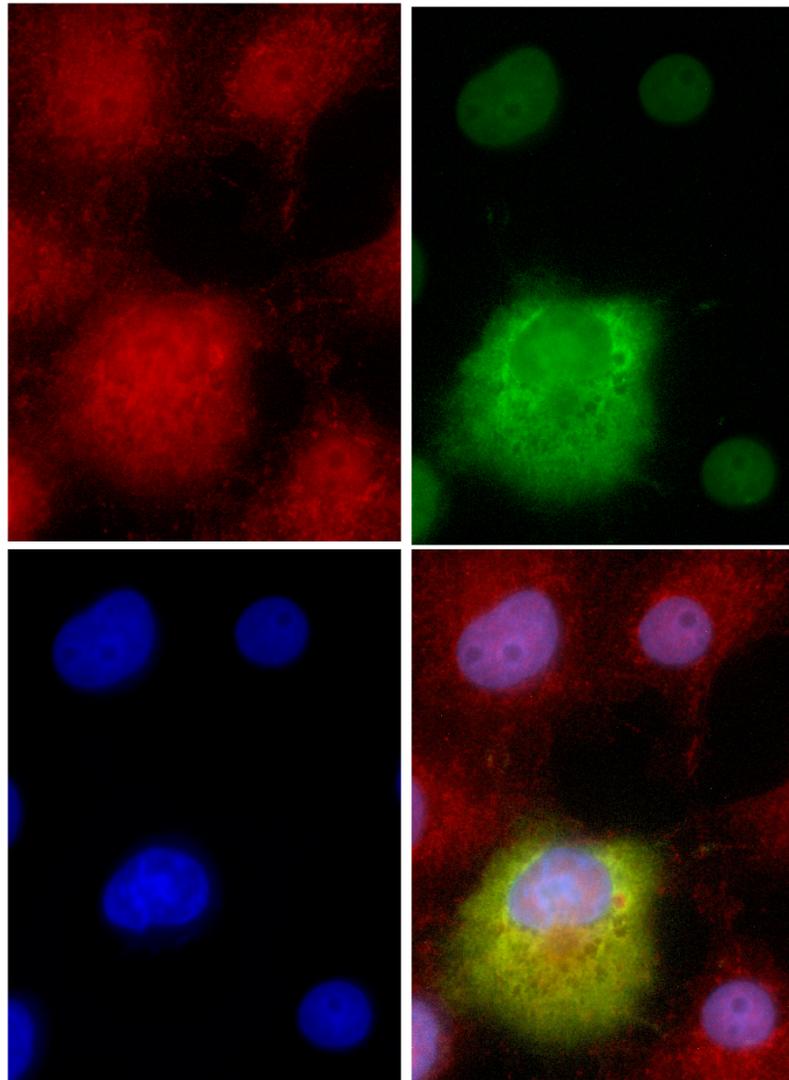
COS1 cells transfected with GFP-Atxn2-Q22 and stained with A2BP-2 ab



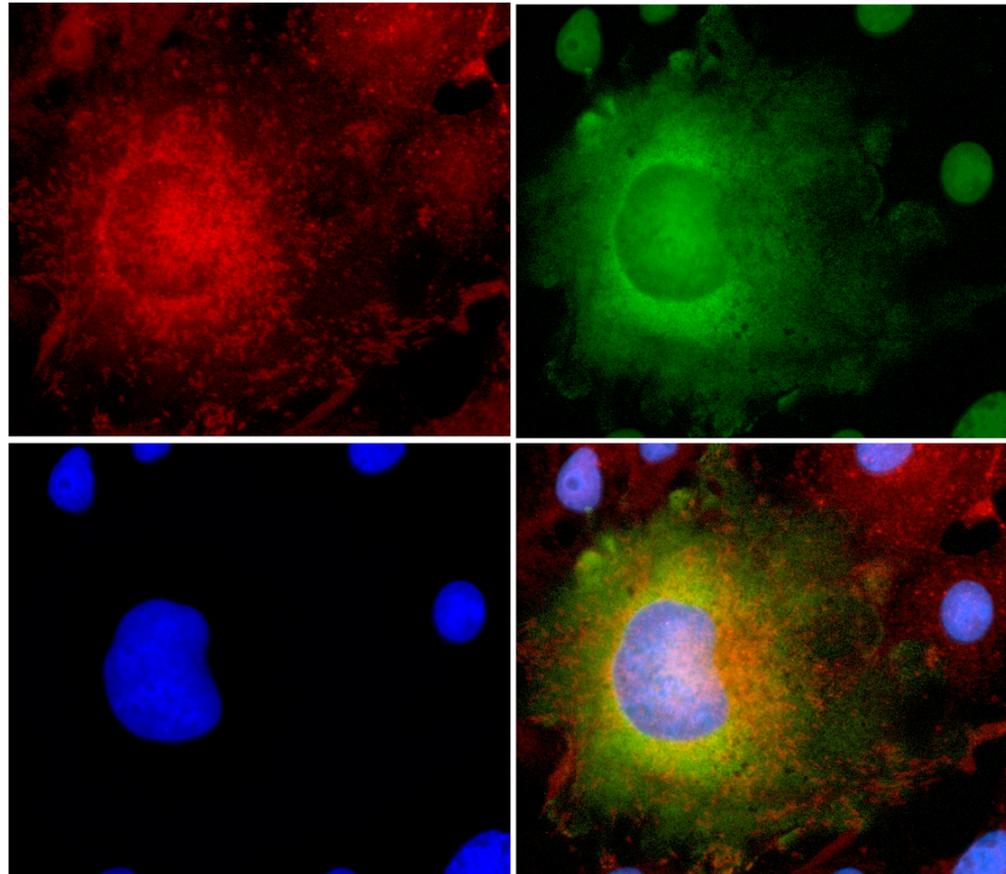
COS1 cells transfected with GFP-Atxn2-Q22 and stained with A2BP-2 ab



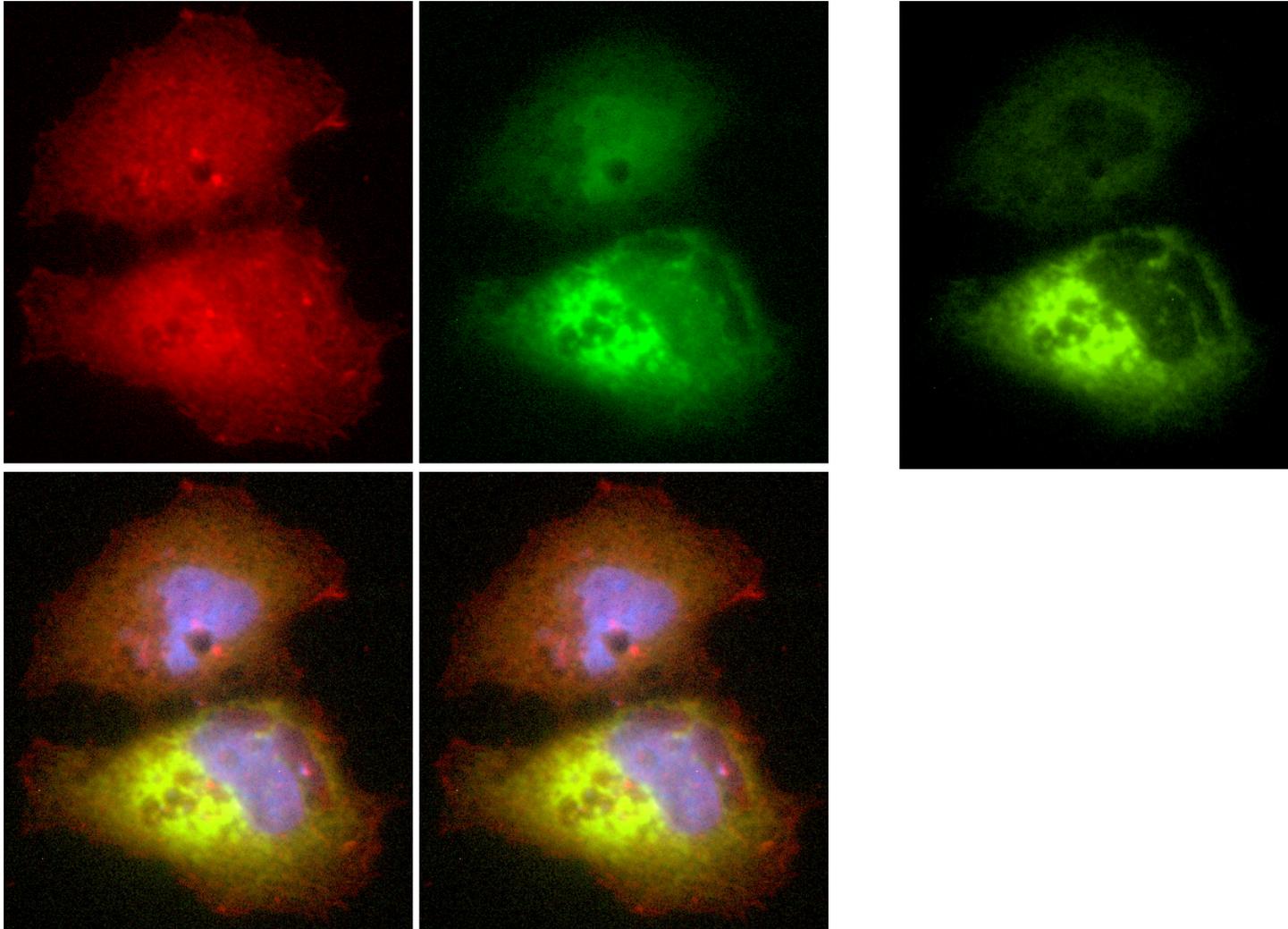
COS1 cells transfected with GFP-Atxn2-Q58 and stained with A2BP-2 ab



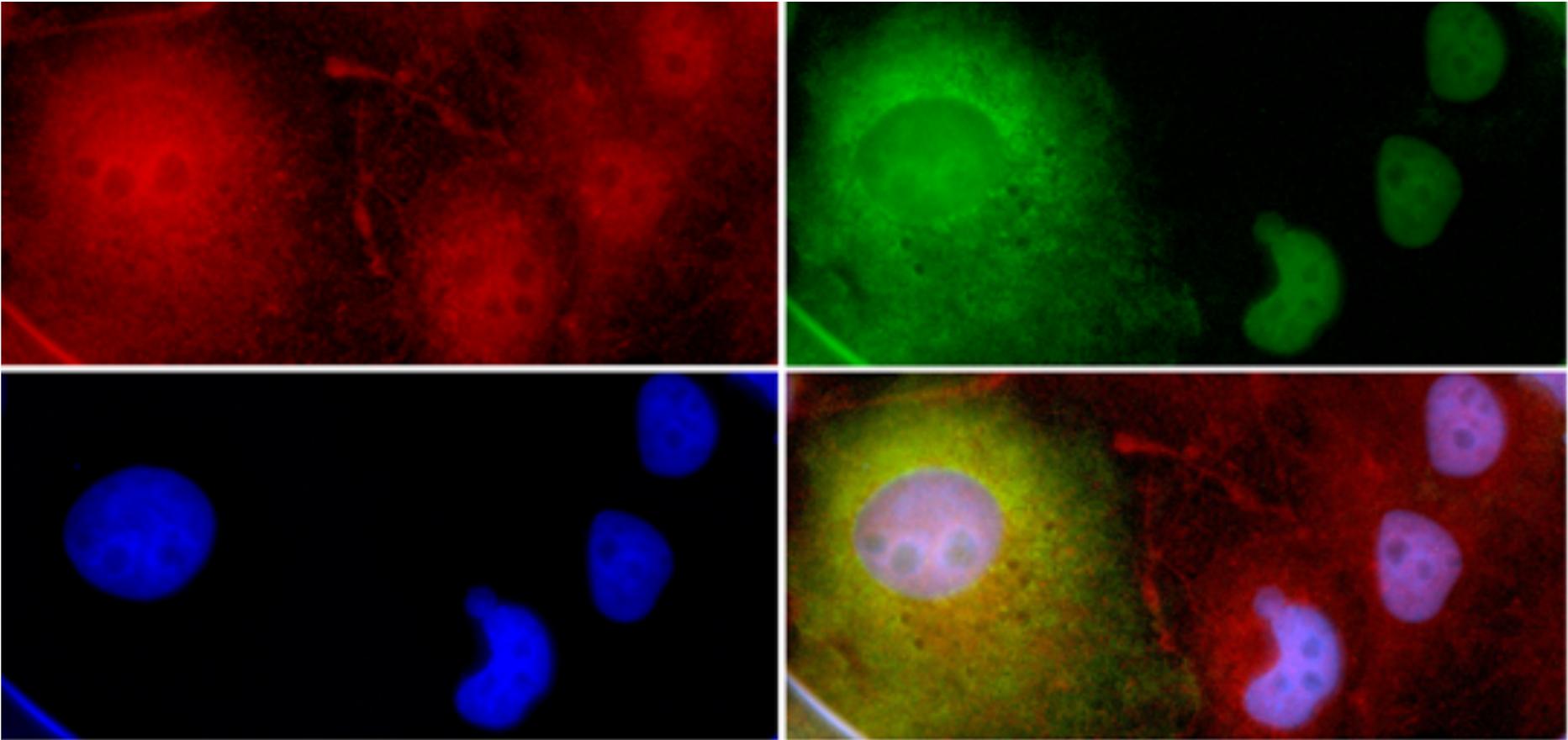
COS1 cells transfected with GFP-Atxn2-Q58 and stained with A2BP-2 ab



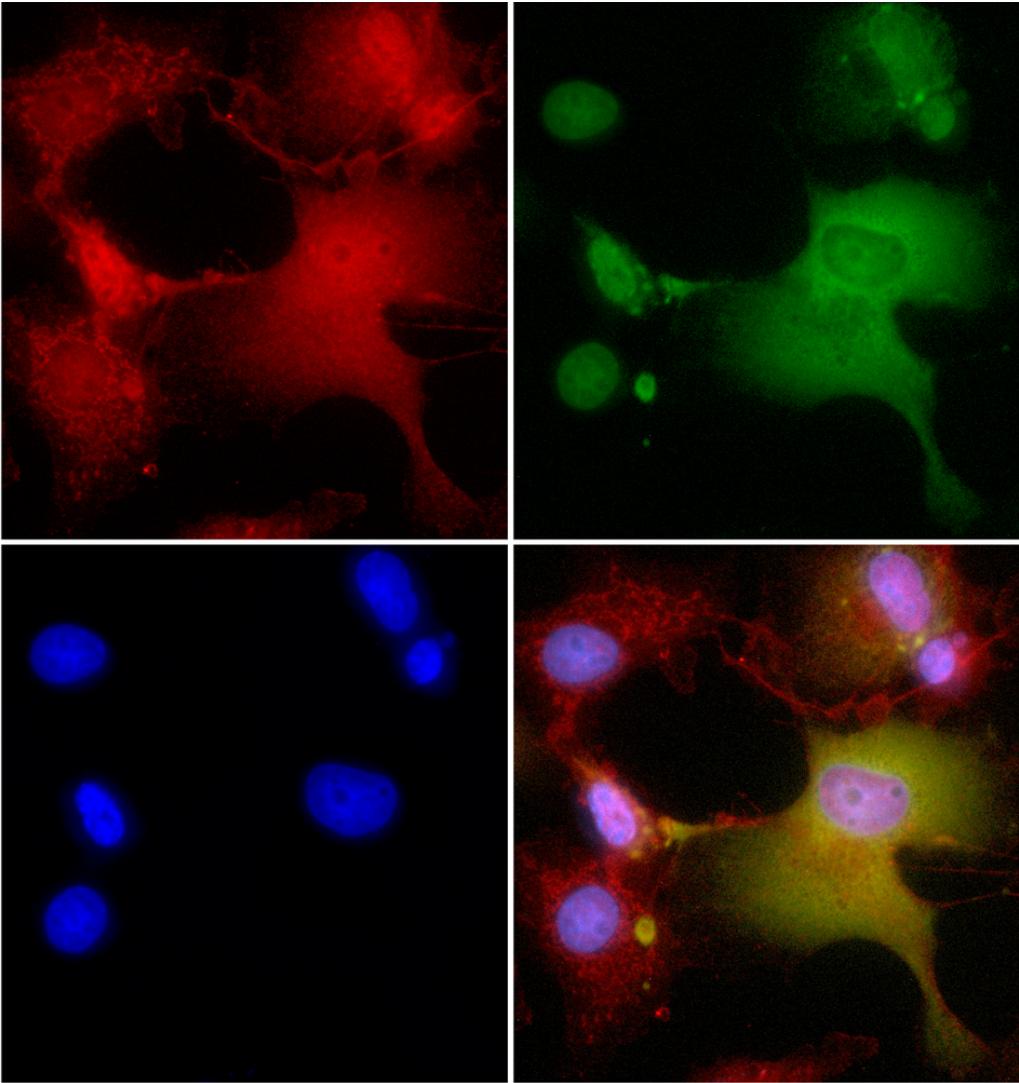
COS1 cells transfected with GFP-Atxn2-Q58 and stained with A2BP-2 ab



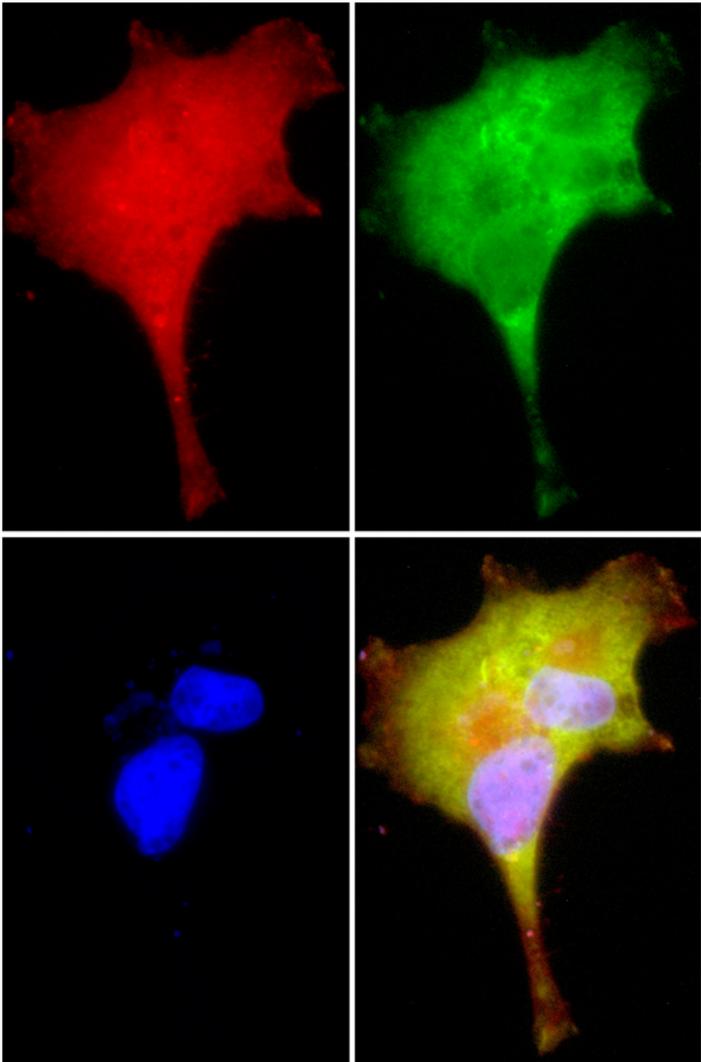
COS1 cells transfected with GFP-Atxn2-Q108 and stained with A2BP-2 ab



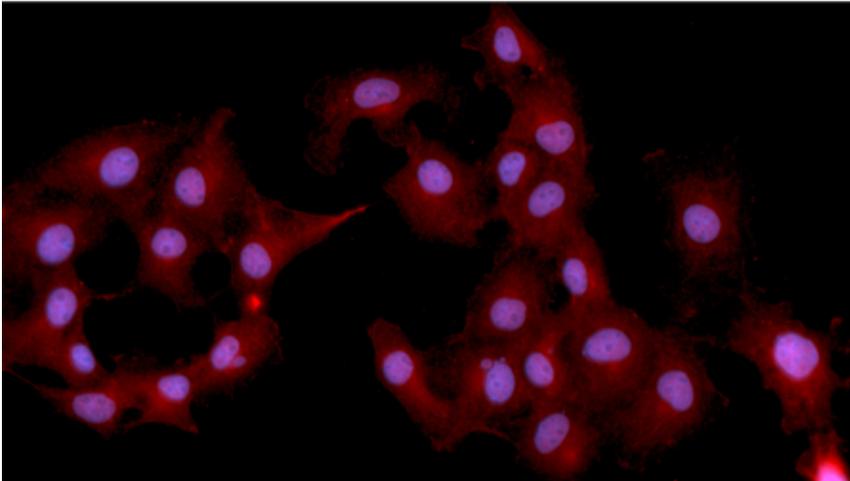
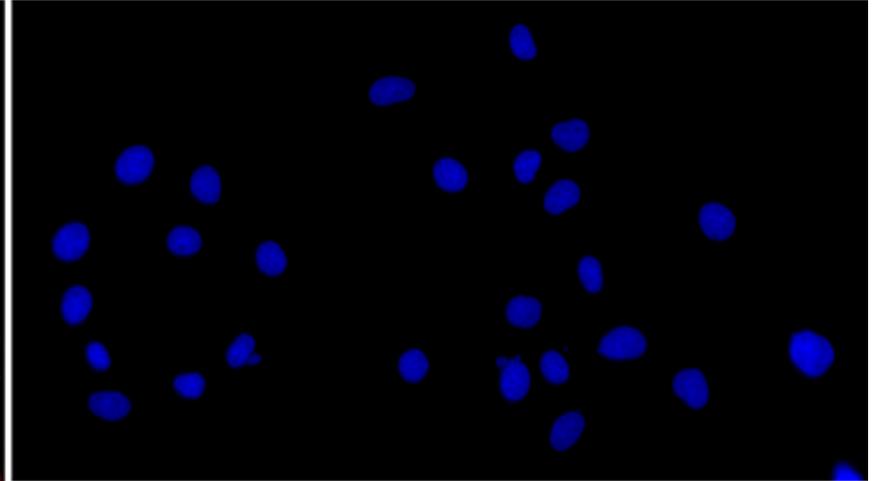
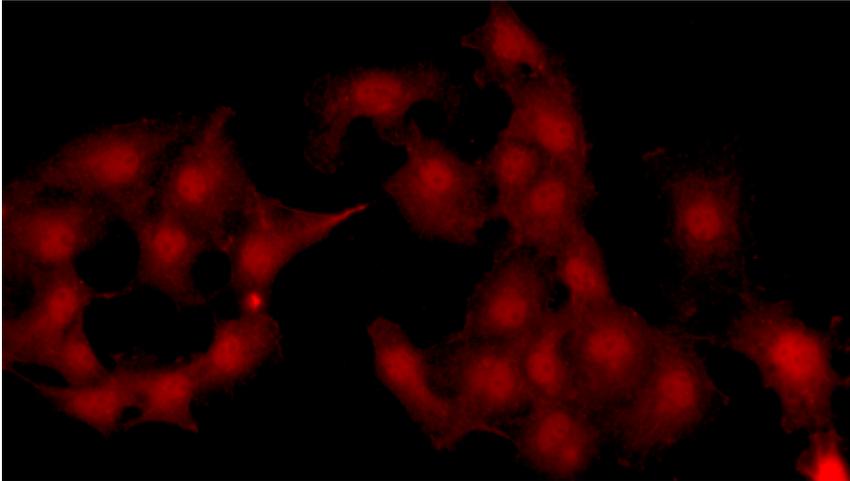
COS1 cells transfected with GFP-Atxn2-Q108 and stained with A2BP-2 ab



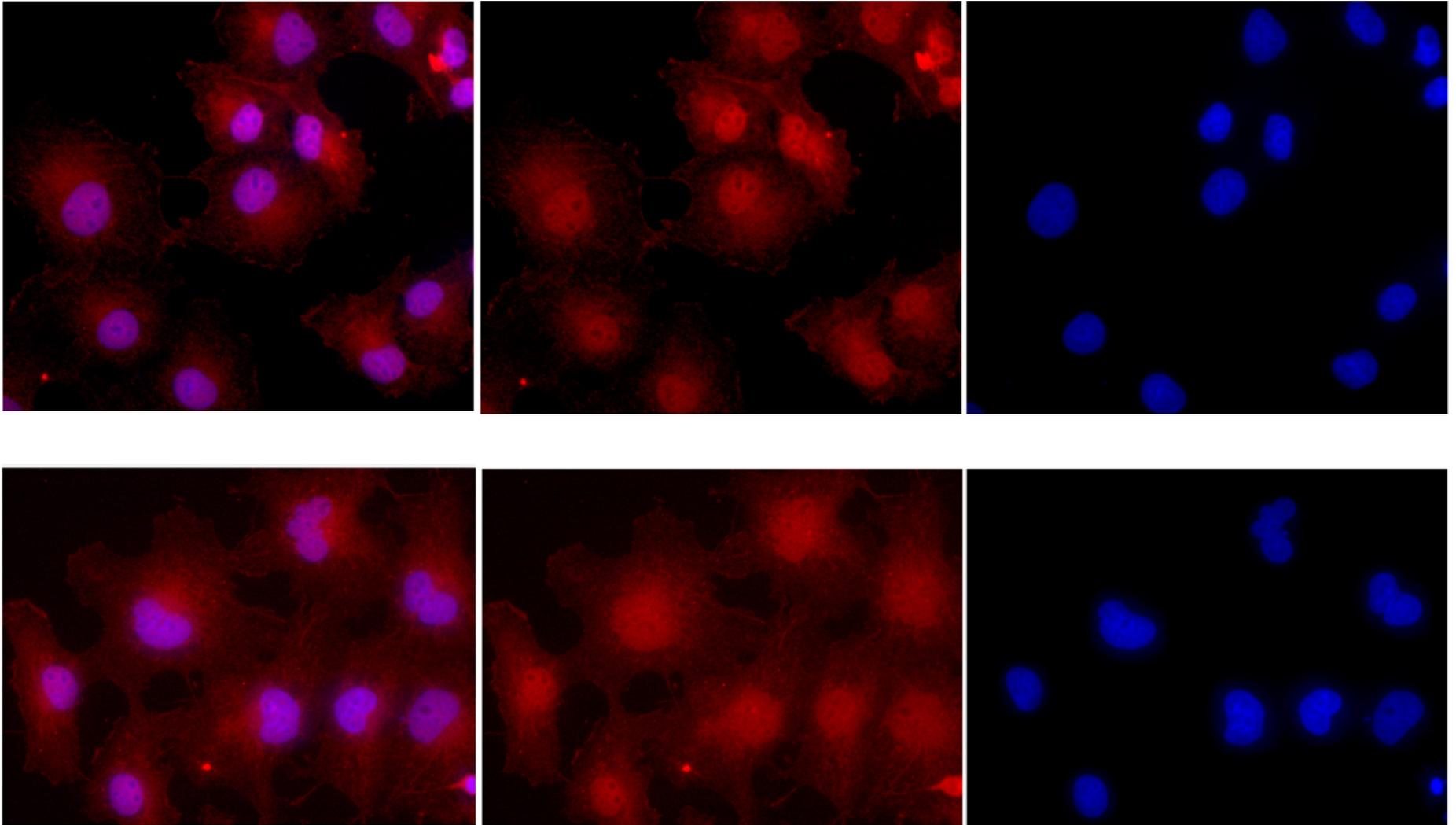
COS1 cells transfected with GFP-Atxn2-Q108 and stained with A2BP-2 ab



COS1 cells stained with A2BP-2 antibody and DAPI

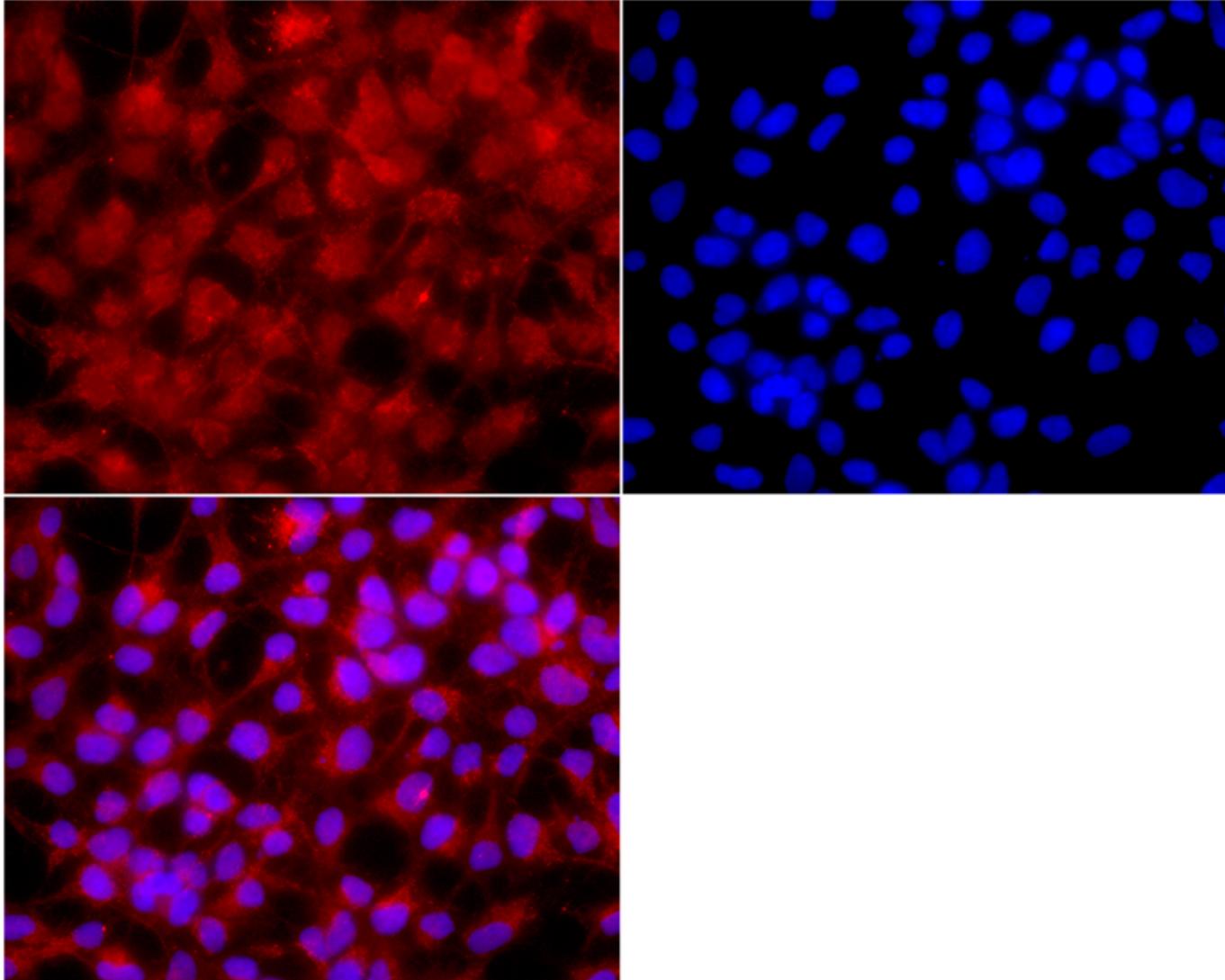


COS1 cells stained with A2BP-2 antibody and DAPI

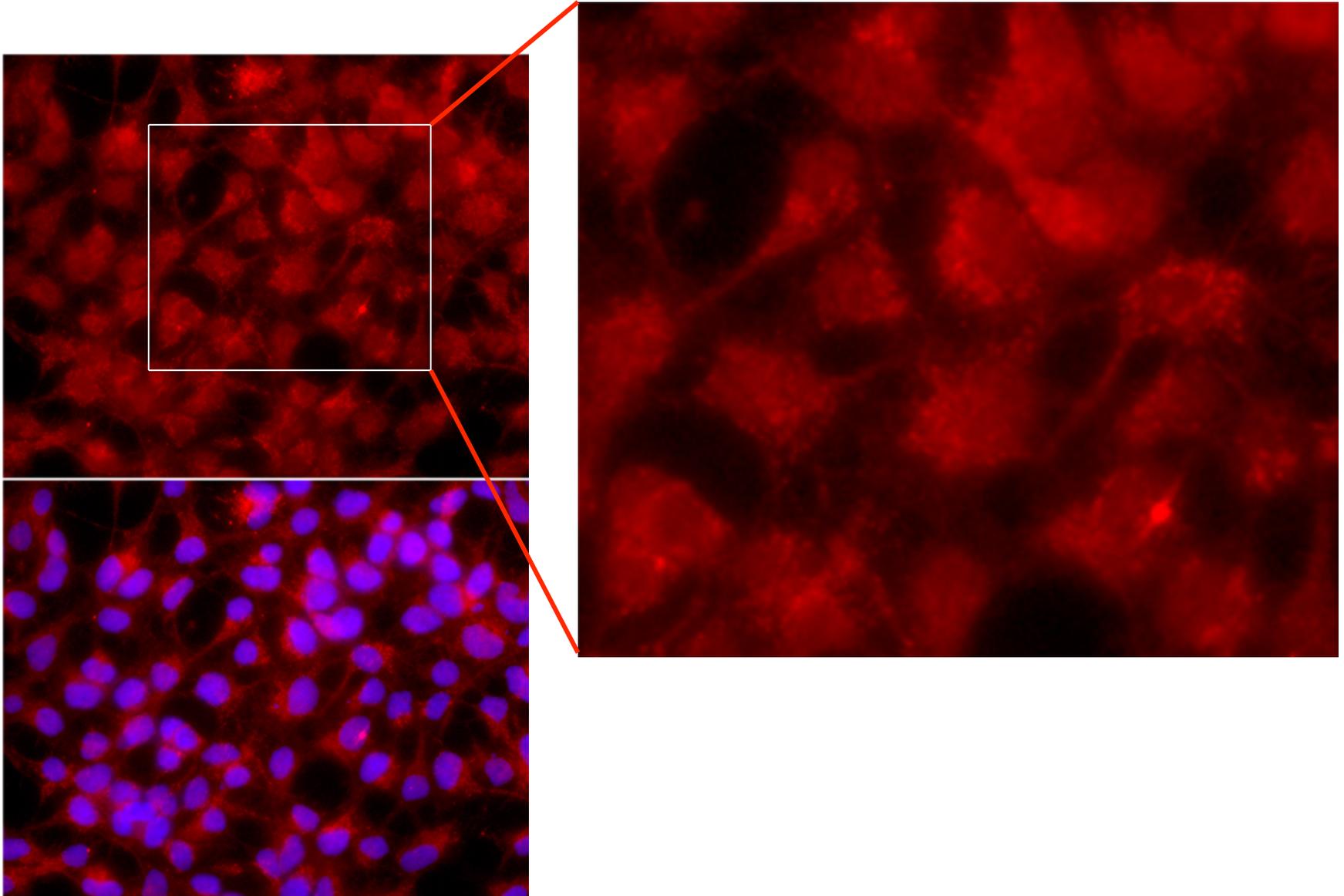


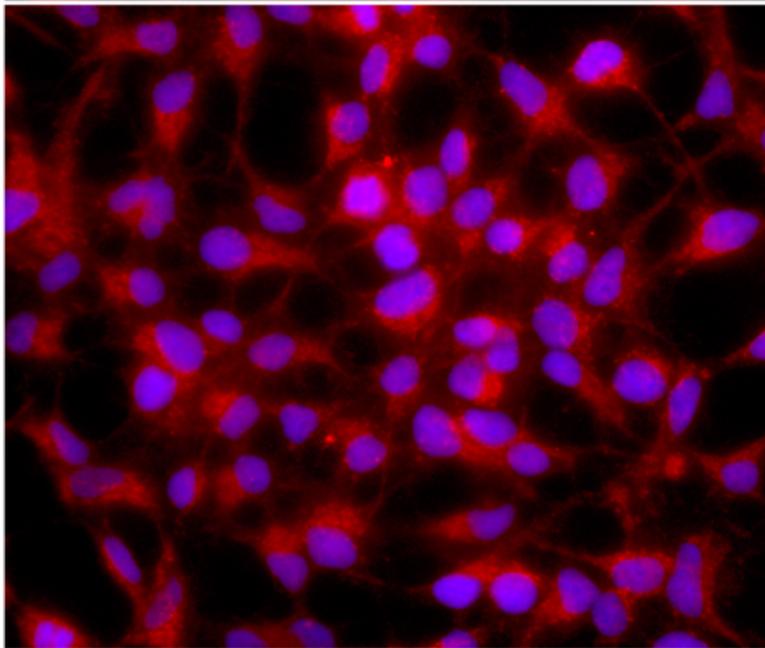
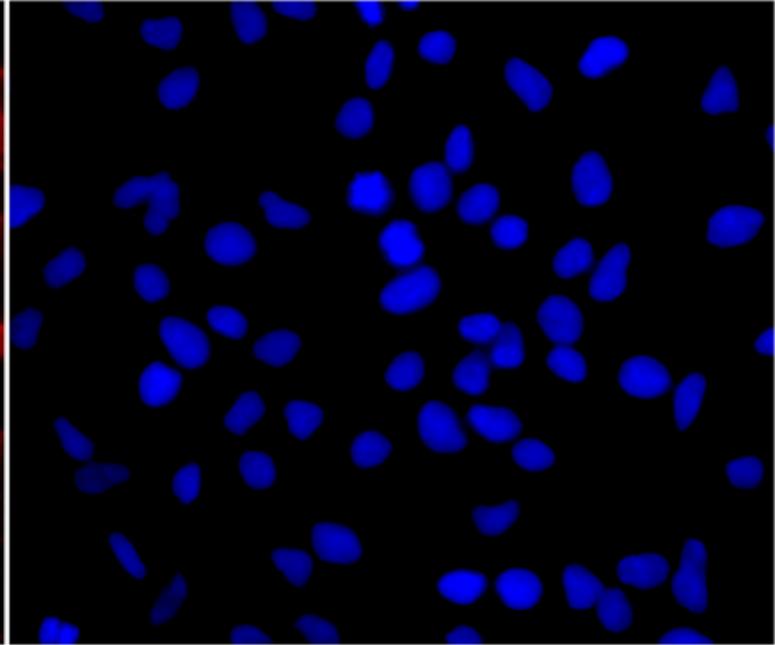
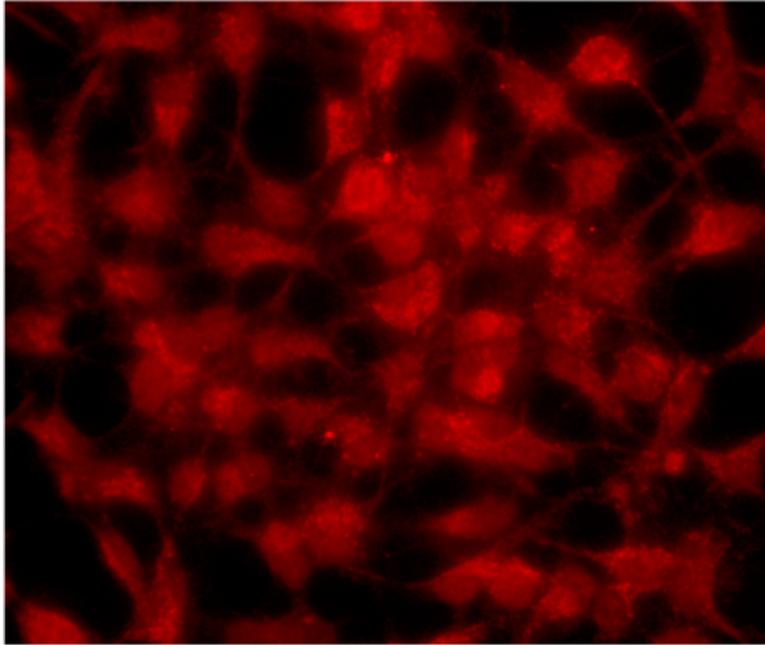
HEK293 cells were transfected (12-27-11) using Xfect transfection reagent with only Atxn2-Q22 (1, 2.5, 5 ug) and stained with A2BP-2 antibody

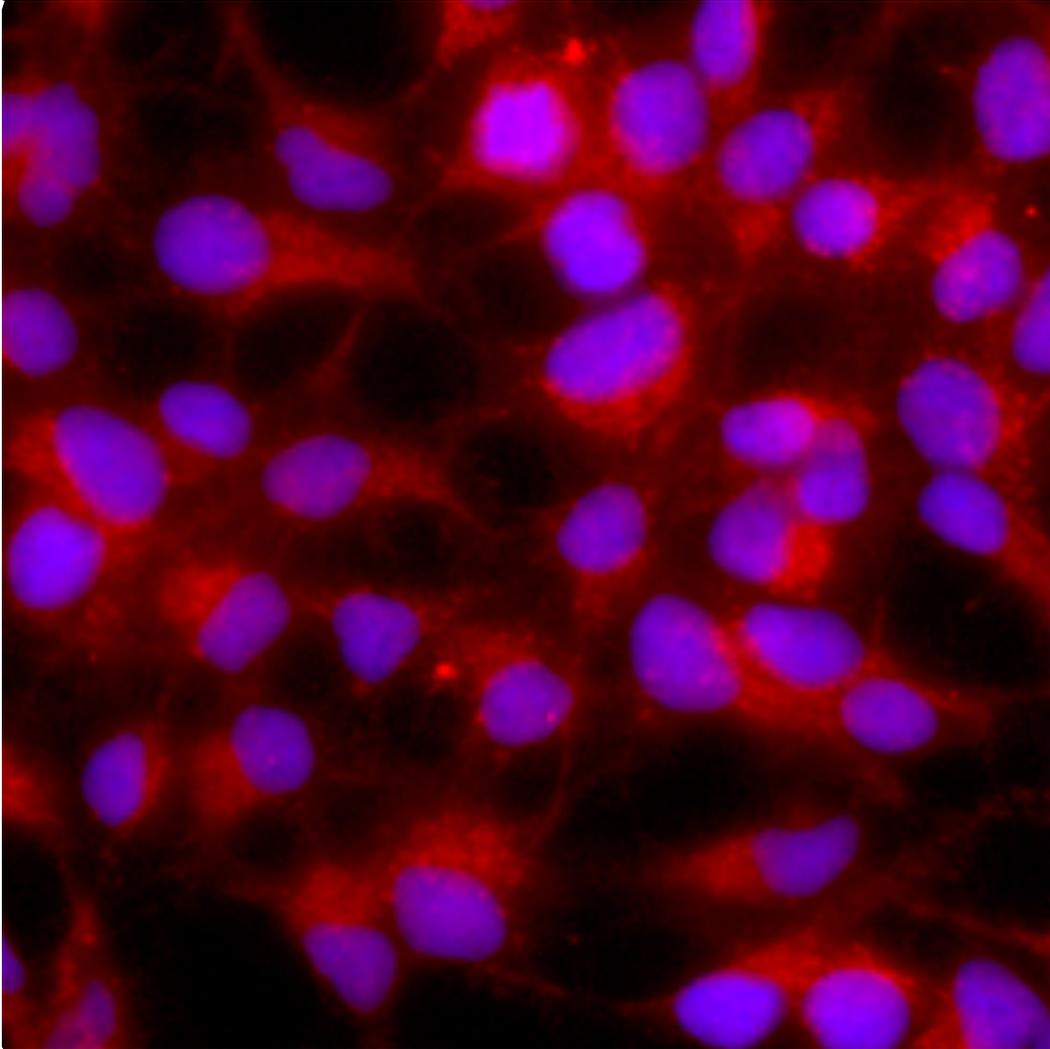
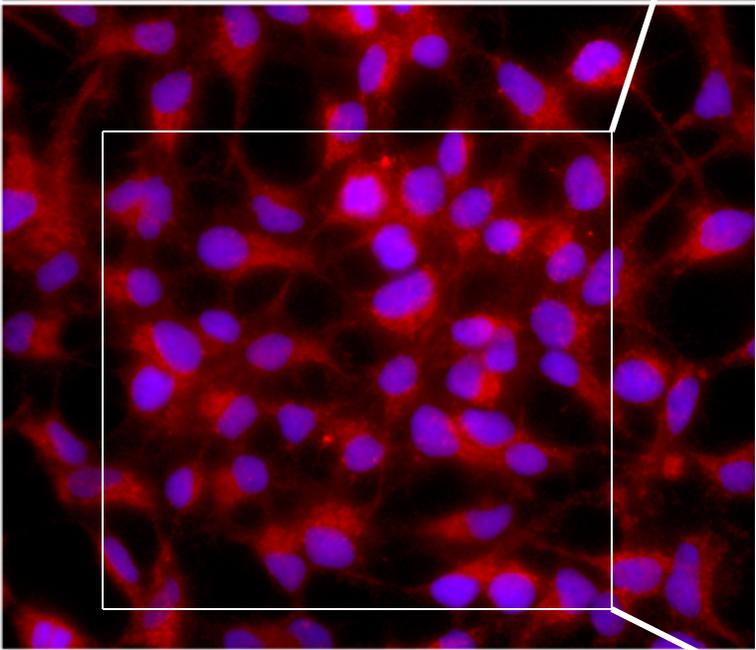
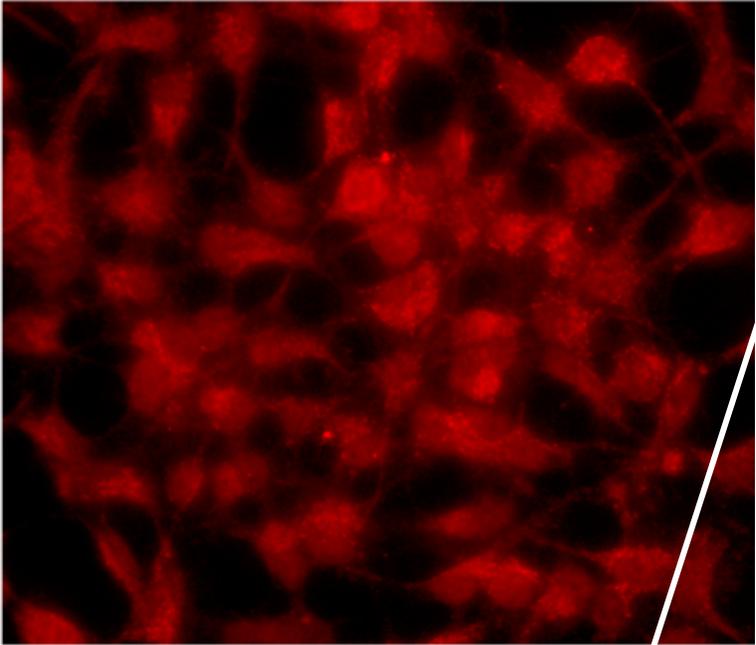
Endo A2BP1 in HEK cells using A2BP2 antibody



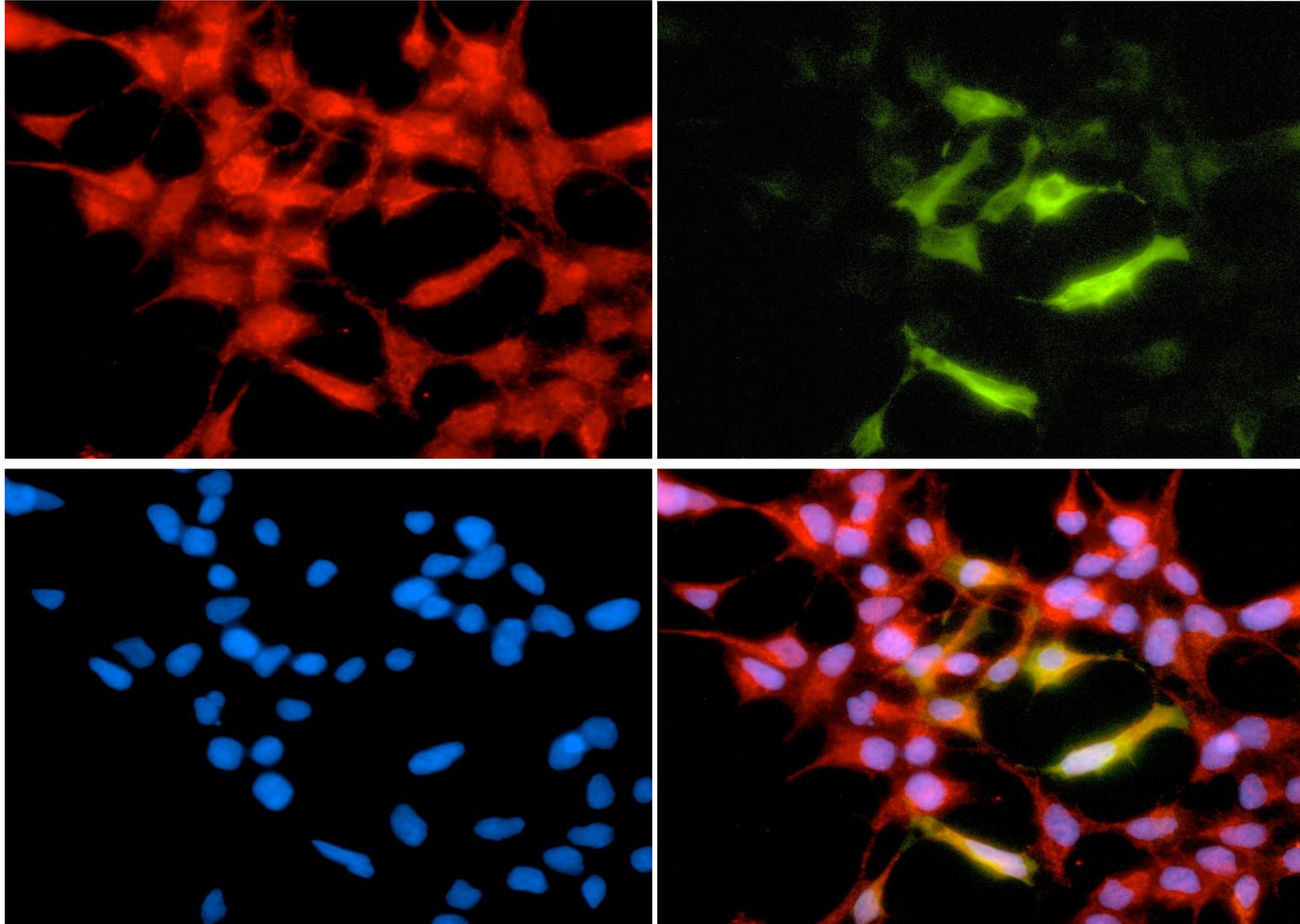
Endo A2BP1 in HEK cells using A2BP2 antibody



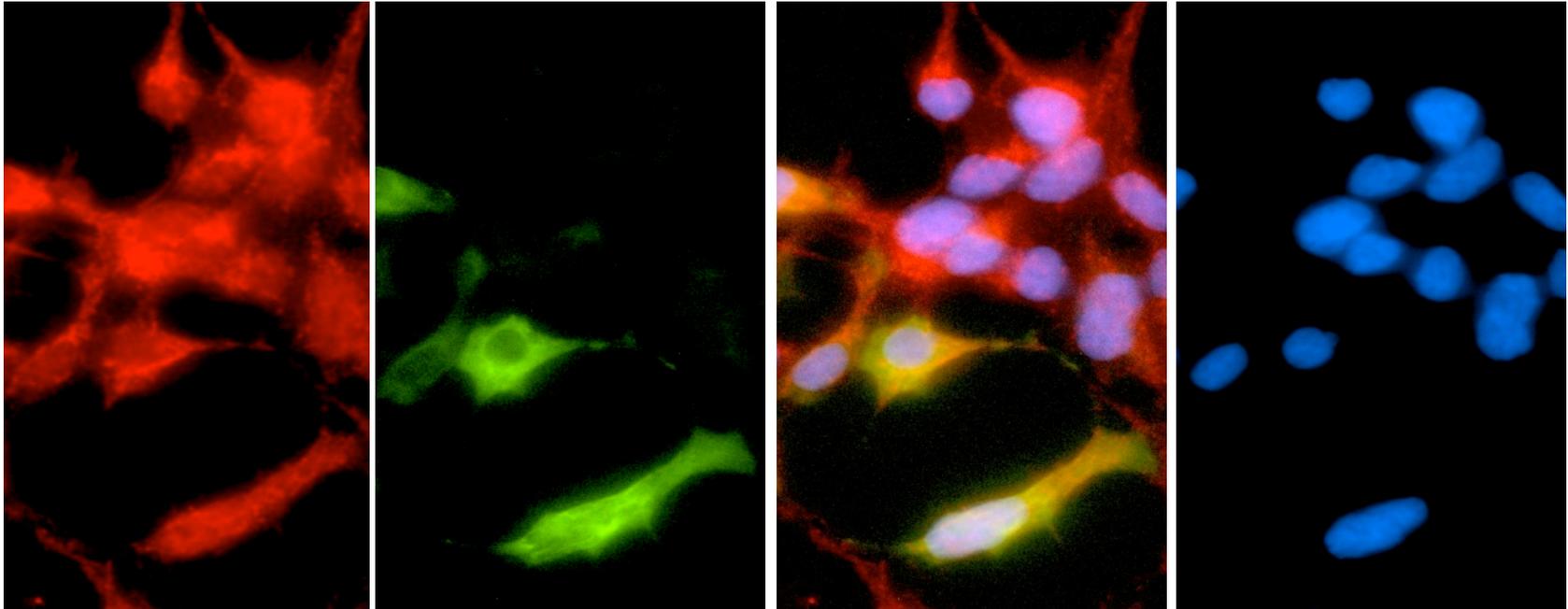


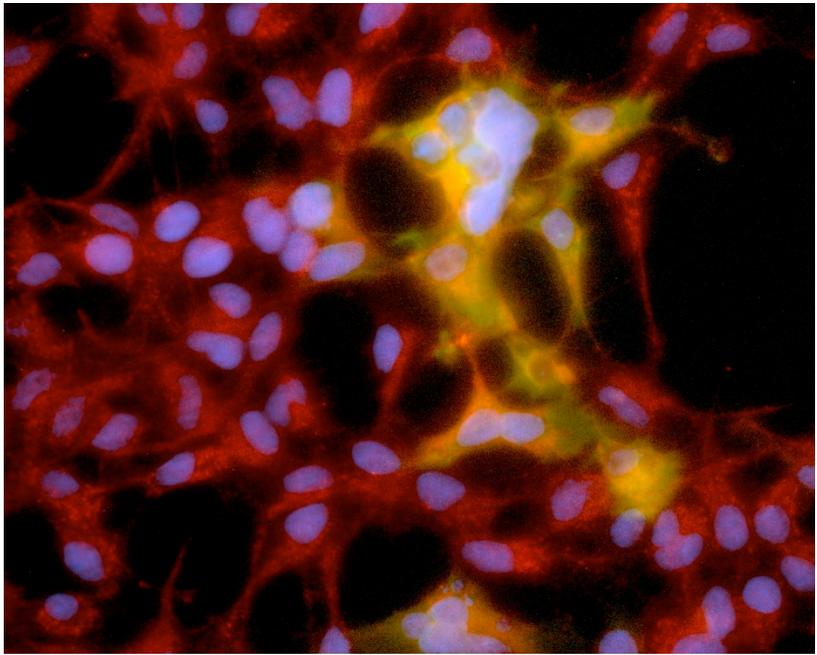
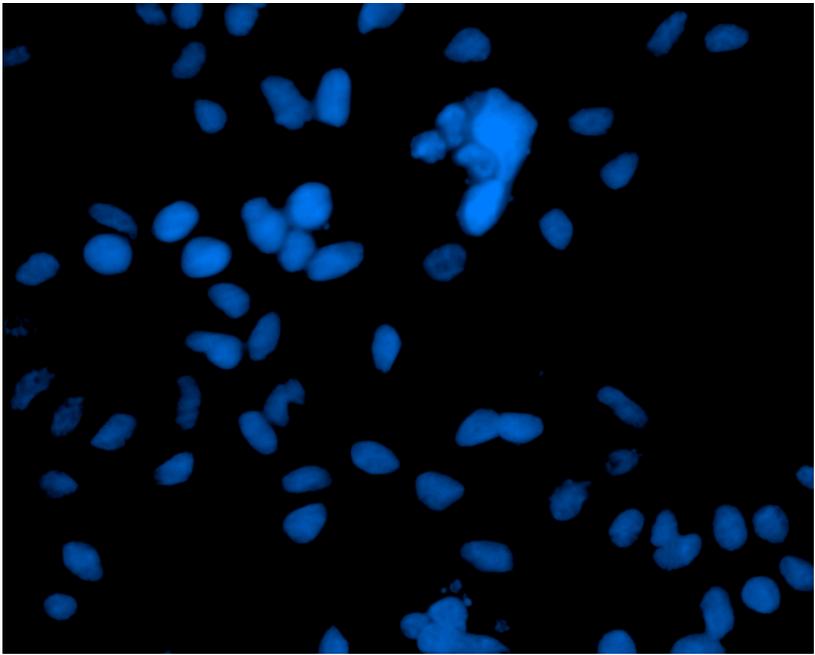
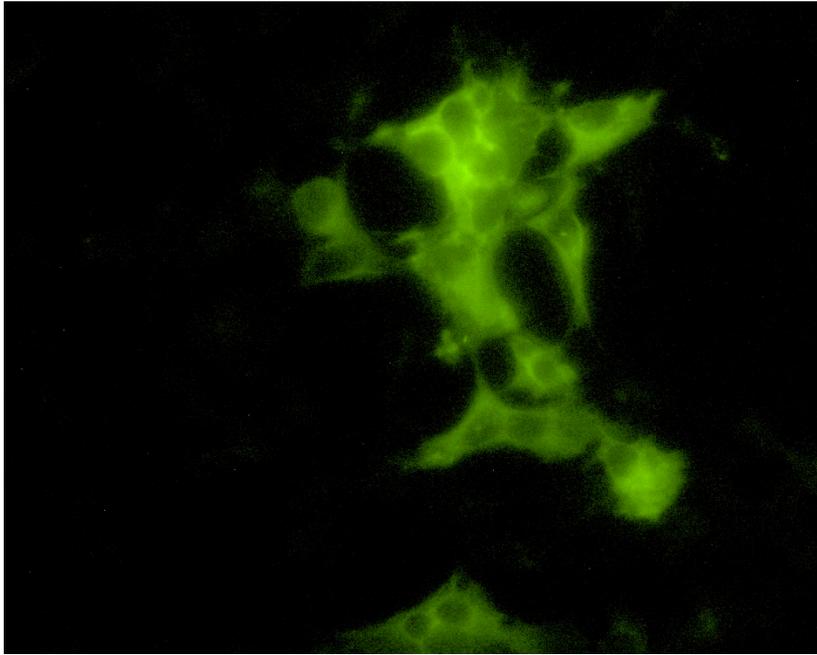
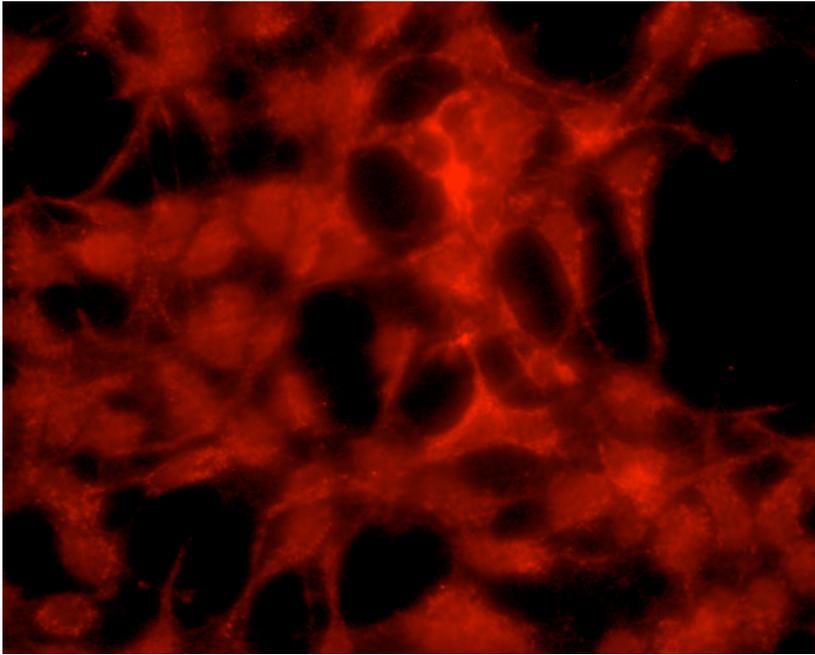


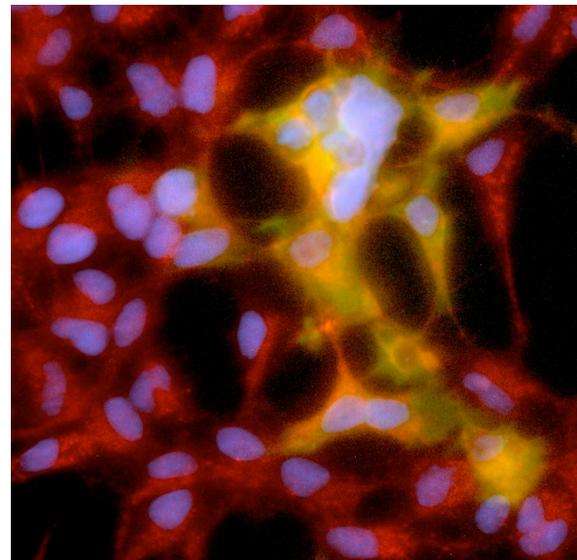
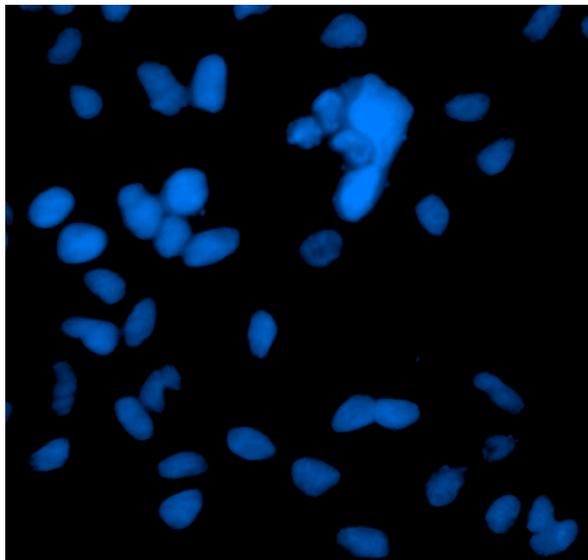
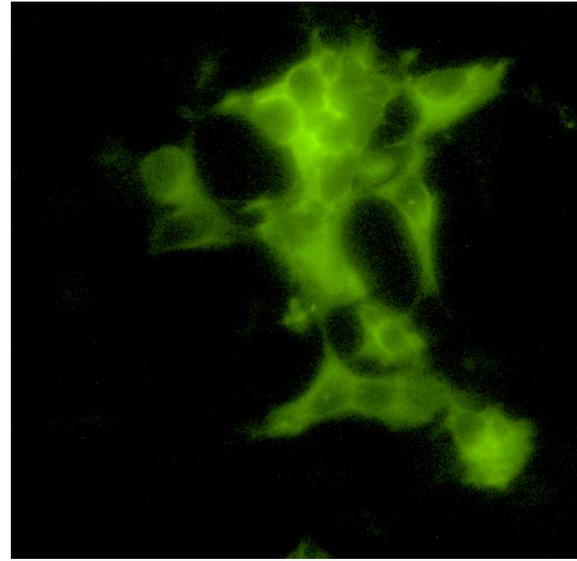
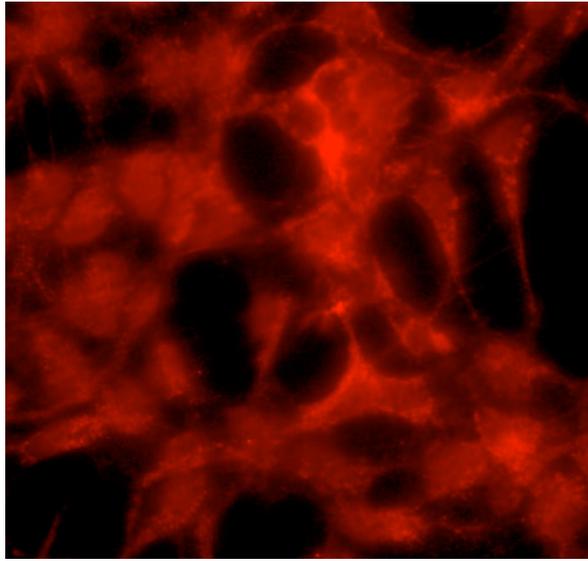
HEK293 cells were transfected with Atxn2-Q22 (1ug) and stained with A2BP-2 antibody



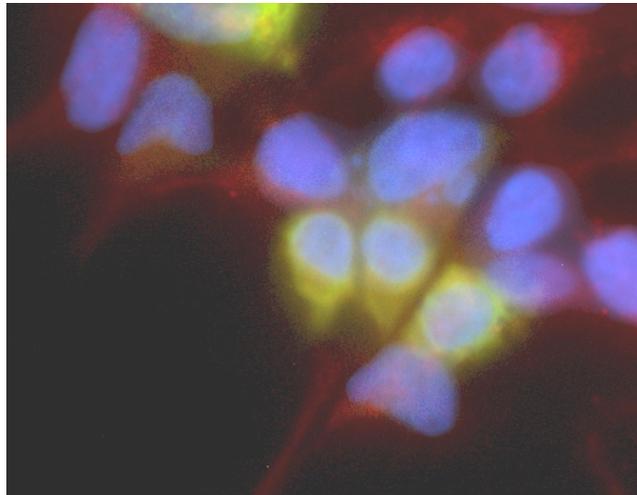
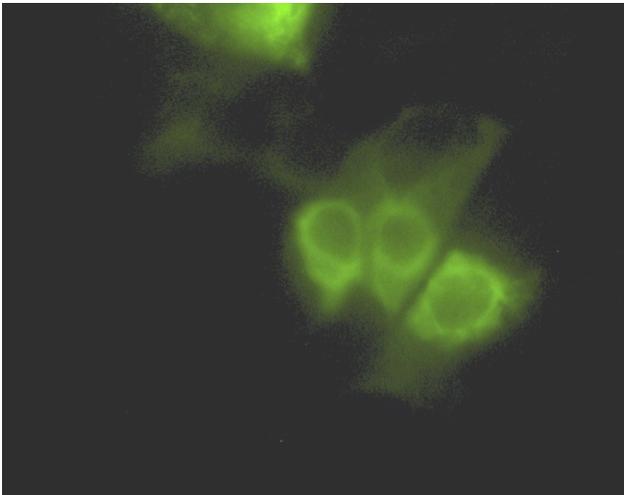
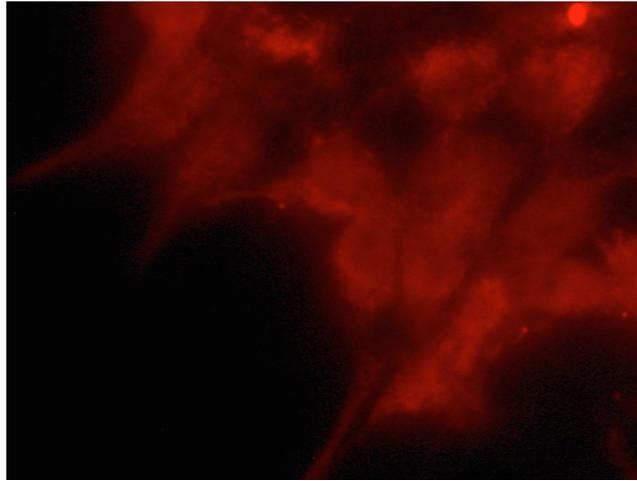
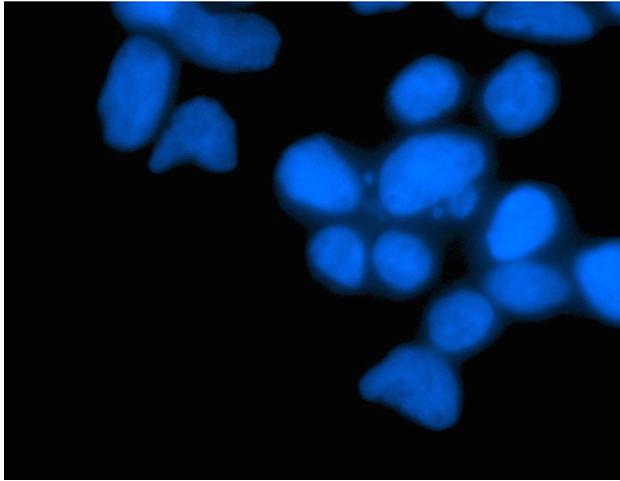
HEK293 cells were transfected with Atxn2-Q22 (1ug) and stained with A2BP-2 antibody





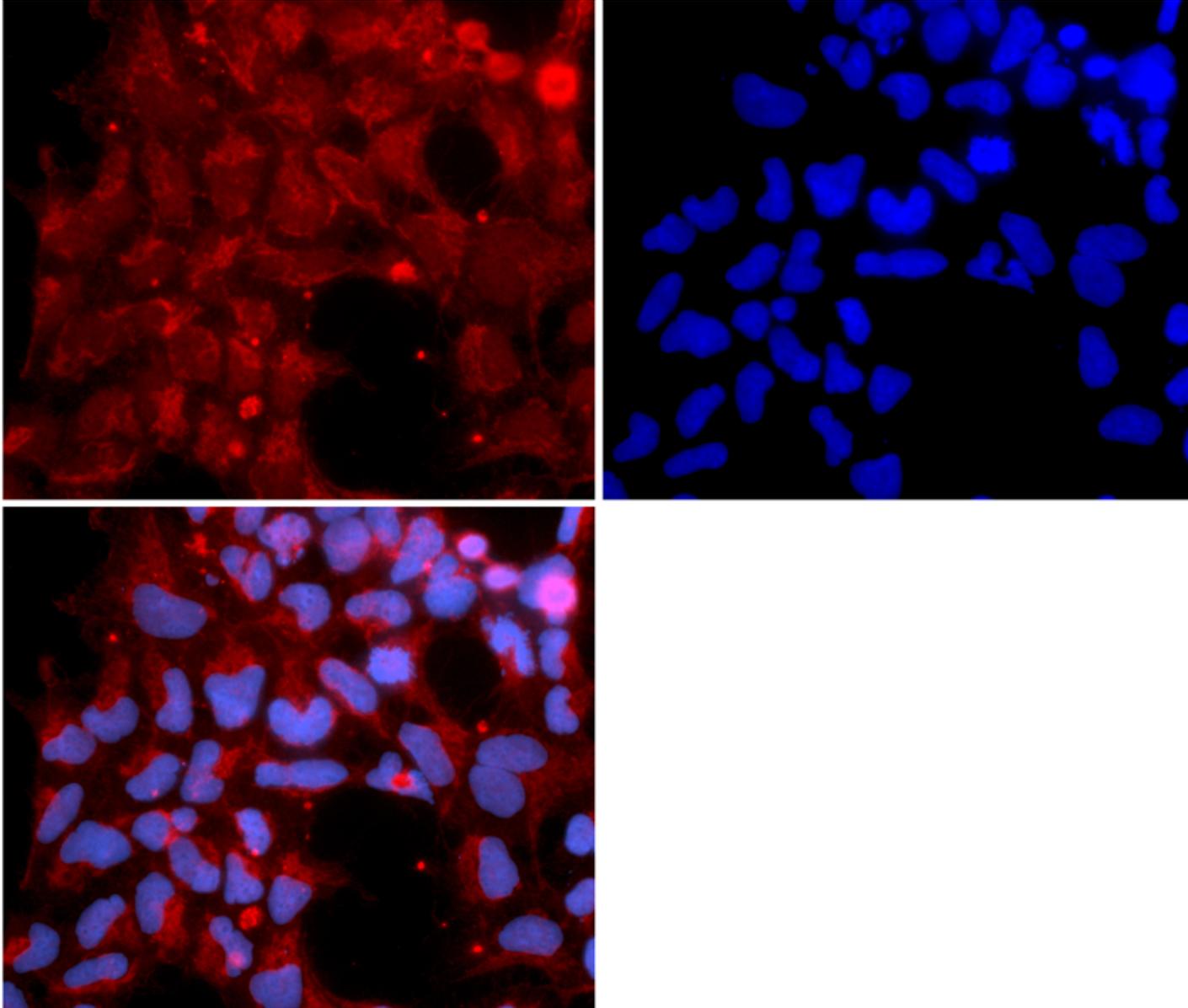


HEK293 cells were transfected with Atxn2-Q22 (2.5ug) and stained with A2BP-2 antibody

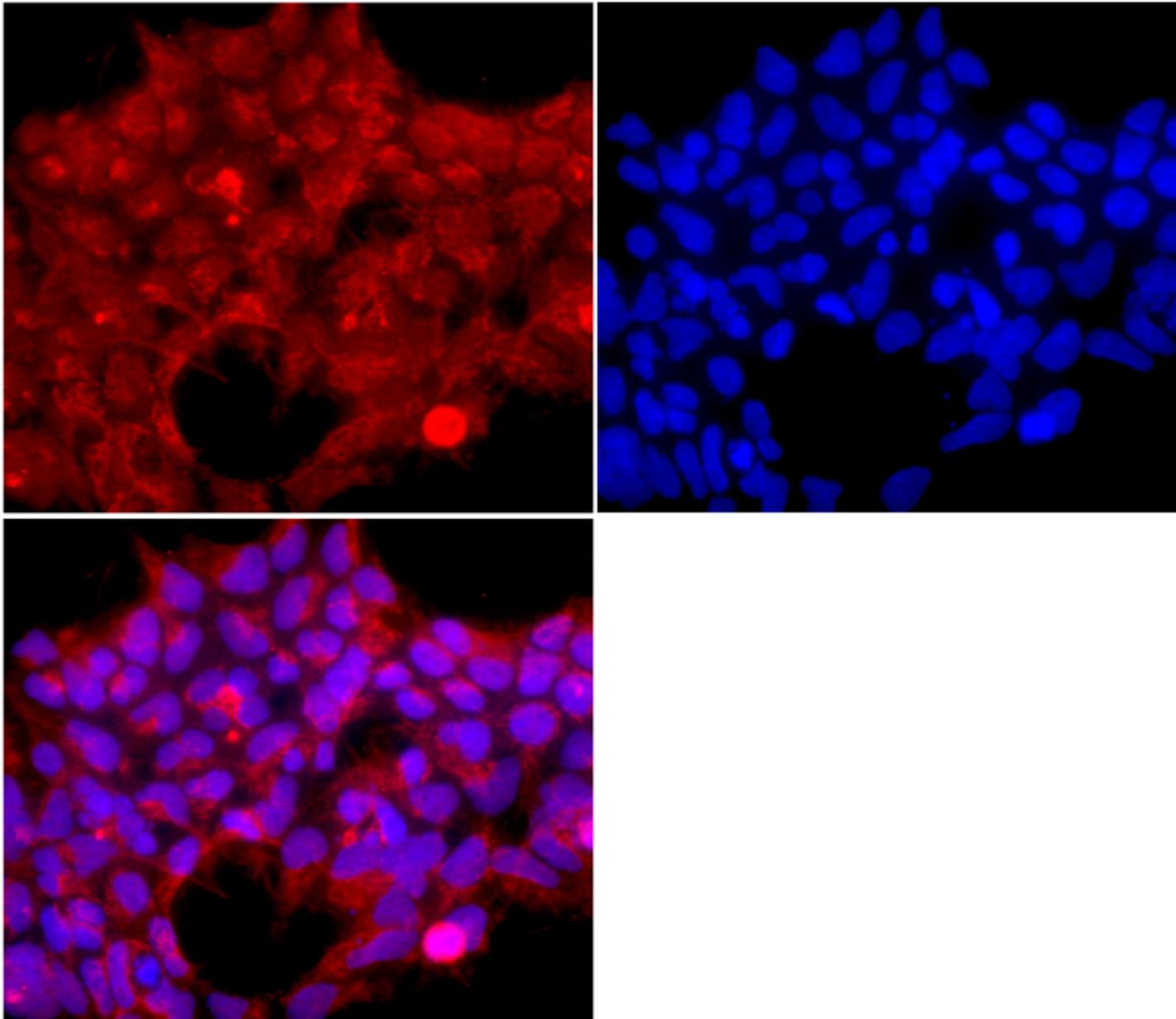


SH-SY5 cells were transfected (12-27-11) using Xfect transfection reagent with only Atxn2-Q22 (1, 2.5, 5 ug) and stained with A2BP-2 antibody

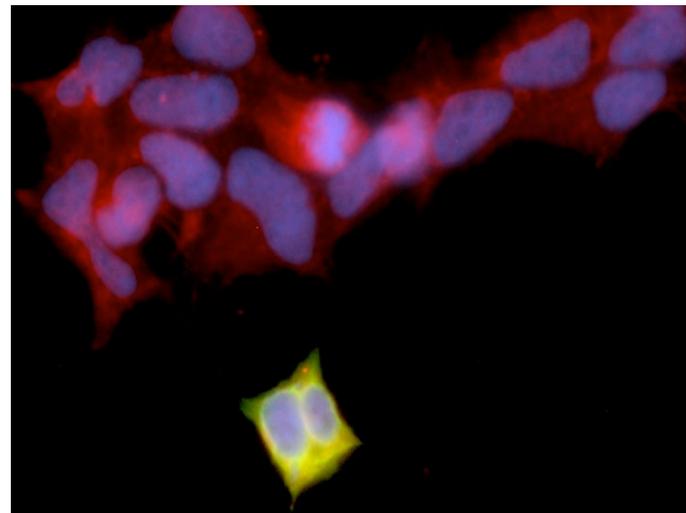
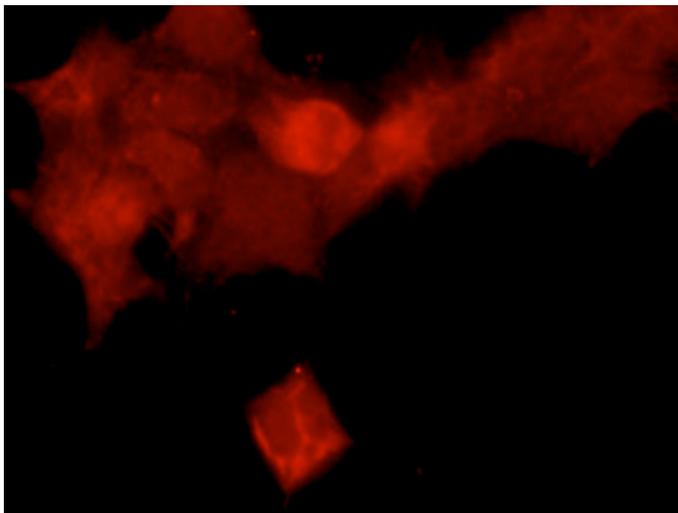
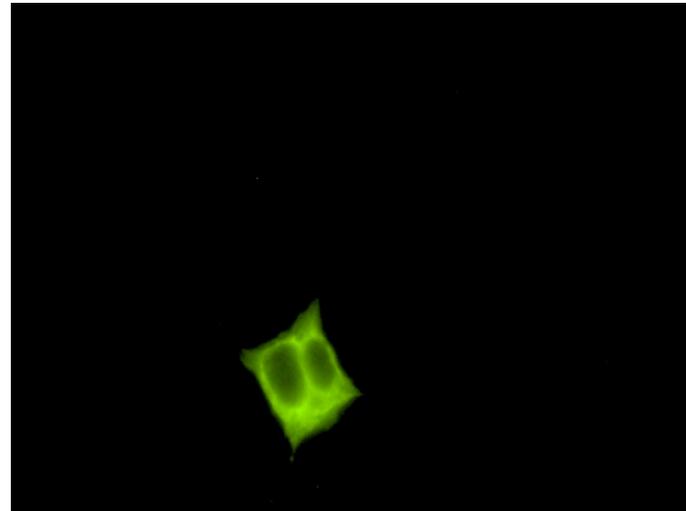
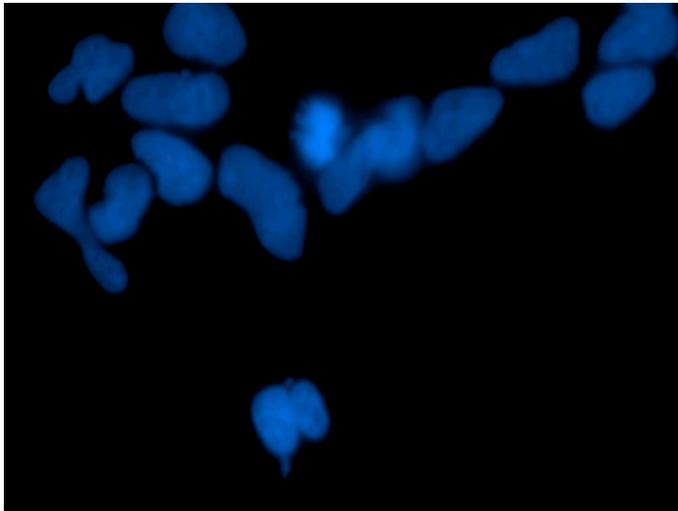
Endo A2BP1 in SH-SY5 cells using A2BP2 antibody



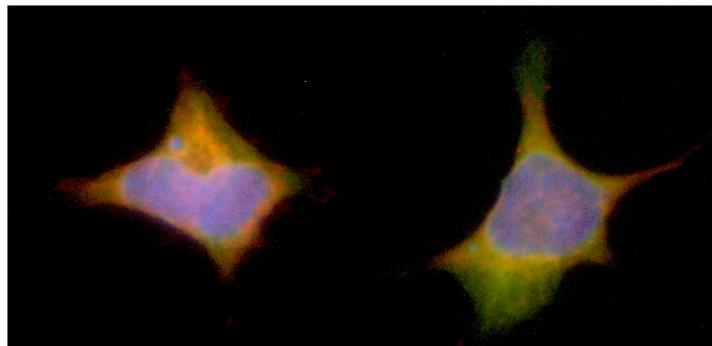
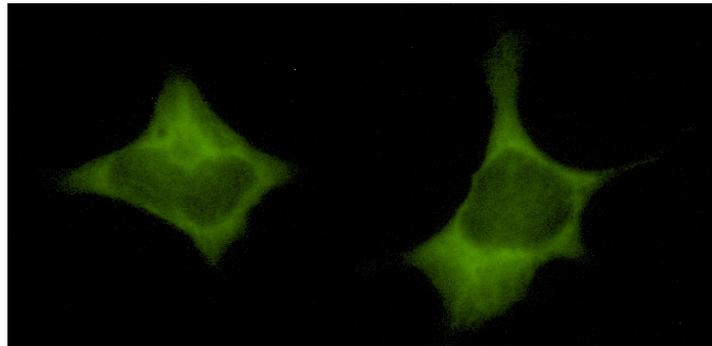
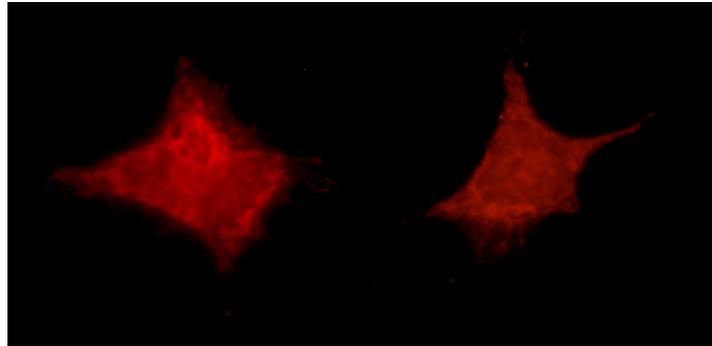
Endo A2BP1 in SH-SY5 cells using A2BP2 antibody



SH-SY5 cells were transfected with Atxn2-Q22 (1ug) and stained with A2BP-2 antibody



SH-SY5 cells were transfected with Atxn2-Q22 (2.5ug) and stained with A2BP-2 antibody



hFOX1-iso1
AREKLHGTVVEGRKIEVNNATARVM **TNKKT VNPYTNGWK** LNPVVGAVYSP
hFOX1-iso2
AREKLHGTVVEGRKIEVNNATARVM **TNKKT VNPYTNGWK** LNPVVGAVYSP
hFOX1-iso3
AREKLHGTVVEGRKIEVNNATARVM **TNKKT VNPYTNGWK** LNPVVGAVYSP
hFOX1-iso4
AREKLHGTVVEGRKIEVNNATARVM **TNKKT VNPYTNGWK** LNPVVGAVYSP
hFOX1-iso5
AREKLHGTVVEGRKIEVNNATARVM **TNKKT VNPYTNGWK** LNPVVGAVYSP
hFOX2-iso1
AREKLHGTVVEGRKIEVNNATARVM **TNKKMVT PYANGWK** LSPVVGAVYGP
hFOX2-iso2
AREKLHGTVVEGRKIEVNNATARVM **TNKKMVT PYANGWK** LSPVVGAVYGP
hFOX2-iso3
AREKLHGTVVEGRKIEVNNATARVM **TNKKMVT PYANGWK** LSPVVGAVYGP
hFOX2-iso4
AREKLHGTVVEGRKIEVNNATARVM **TNKKMVT PYANGWK** LSPVVGAVYGP
hFOX2-iso5
AREKLHGTVVEGRKIEVNNATARVM **TNKKMVT PYANGWK** LSPVVGAVYGP
hFOX2-iso6
AREKLHGTVVEGRKIEVNNATARVM **TNKKMVT PYANGWK** LSPVVGAVYGP
hFOX3
AREKLNGTIVEGRKIEVNNATARVM **TNKKT GN** **PYTNGWK** LNPVVGAVYGP