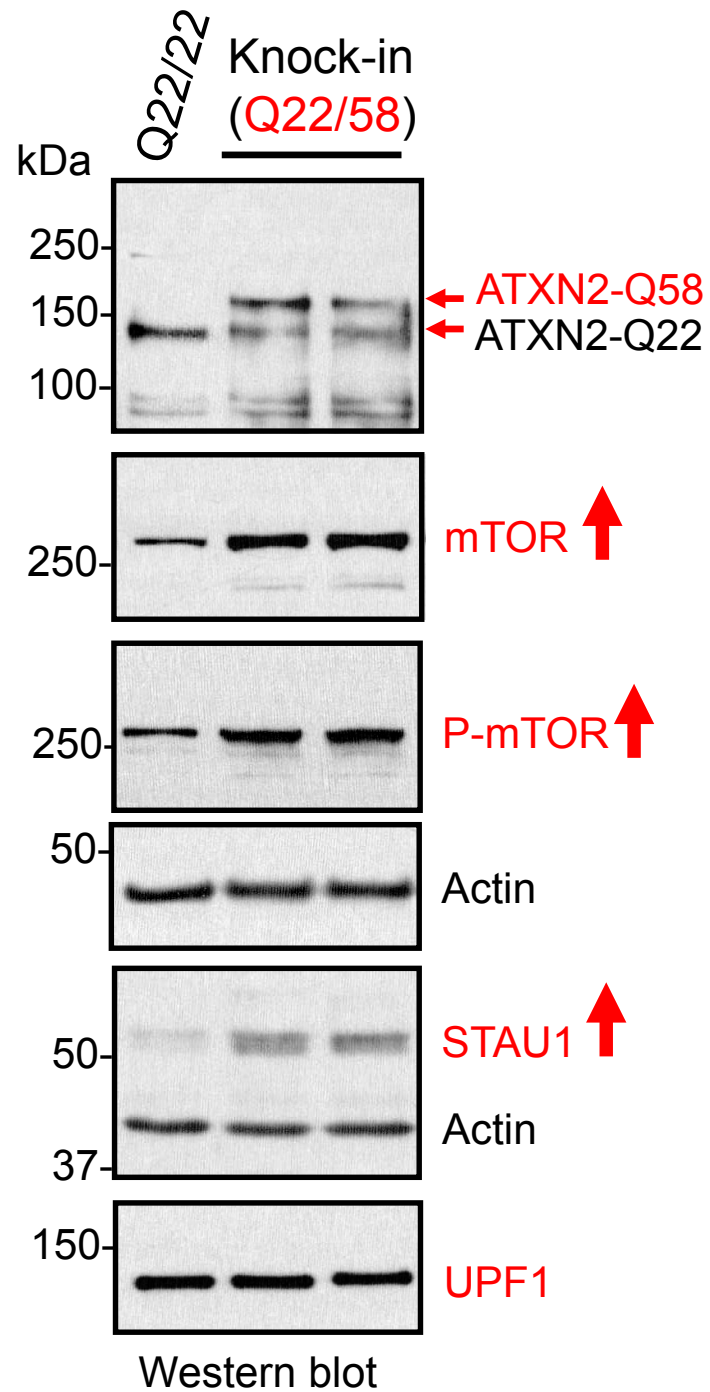
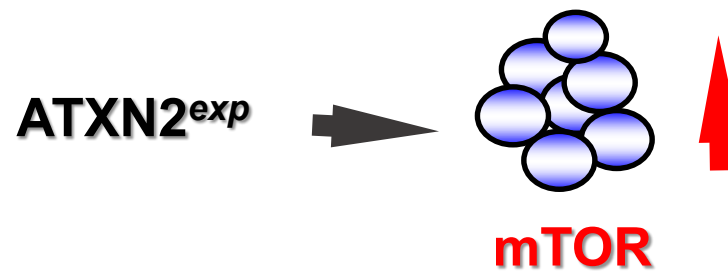
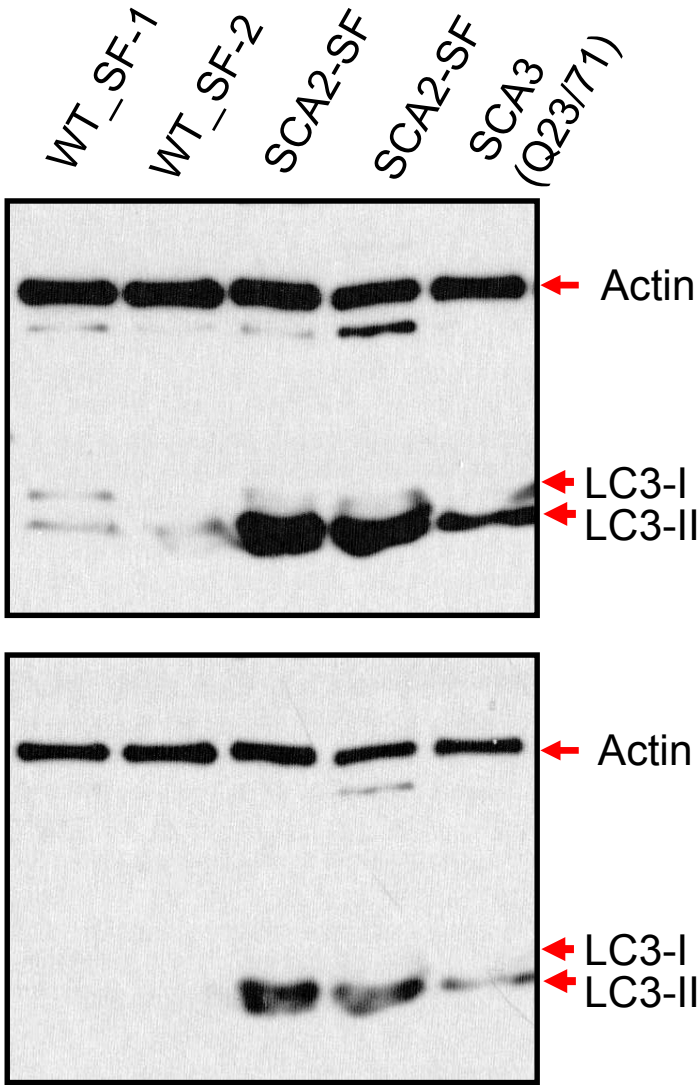




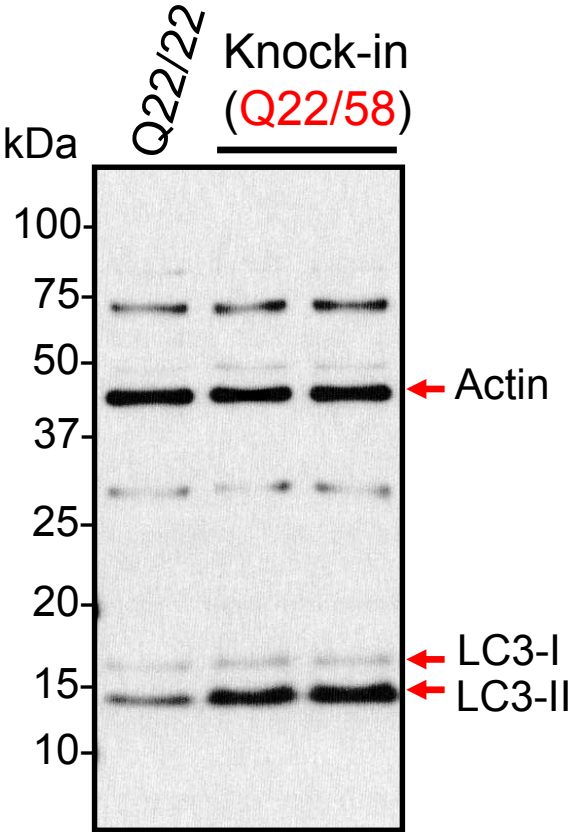
mTOR levels upregulation (hyperactivation)
in ATXN2[Q22/58] cells



SCA2 fibroblasts and ATXN2[-Q22/58] knock-in cells show inefficient autophagy function !!



WB: LC3B & Actin Abs

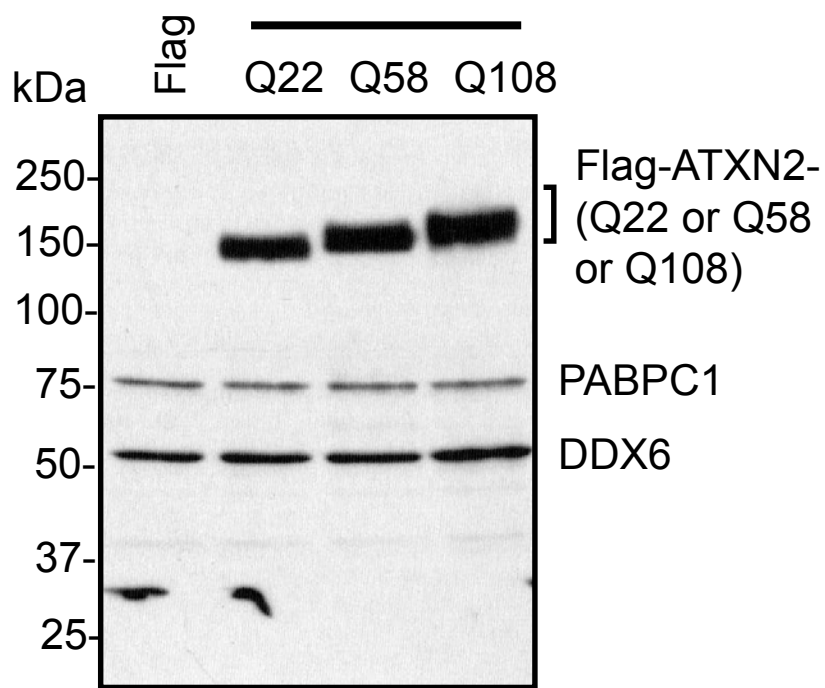


WB: LC3B & Actin Abs

Overexpressed ATXN2 expanded repeats show inefficient autophagy function by accumulating LC3-II

SH-SY5Y cells

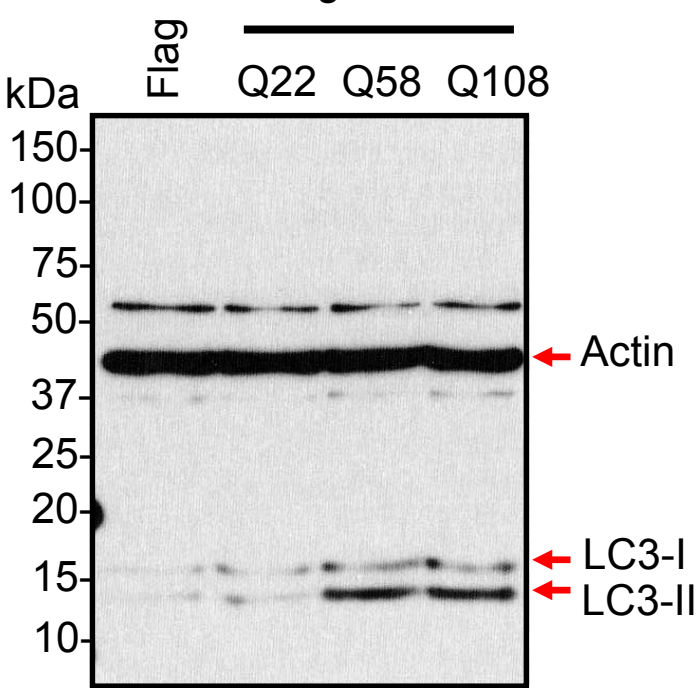
Flag-ATXN2-



WB: Flag, PABP & DDX6 Abs

SH-SY5Y cells

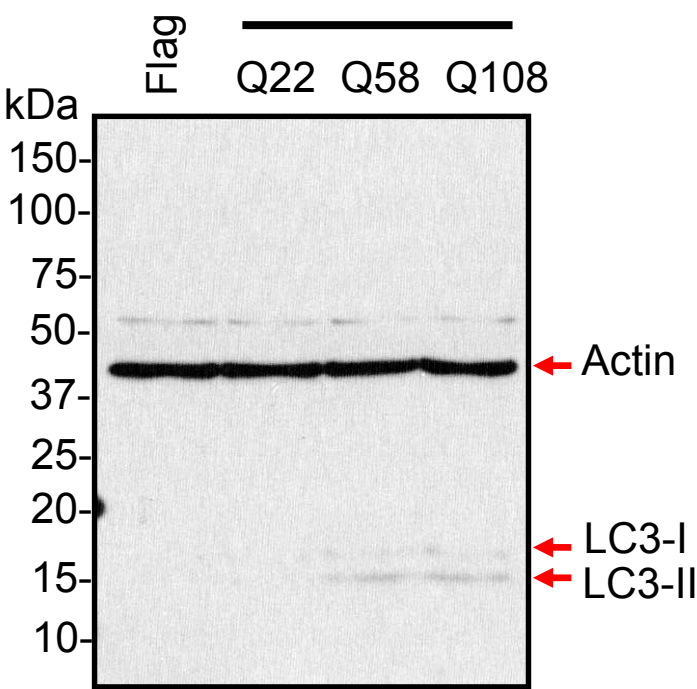
Flag-ATXN2-



WB: LC3B & actin Abs

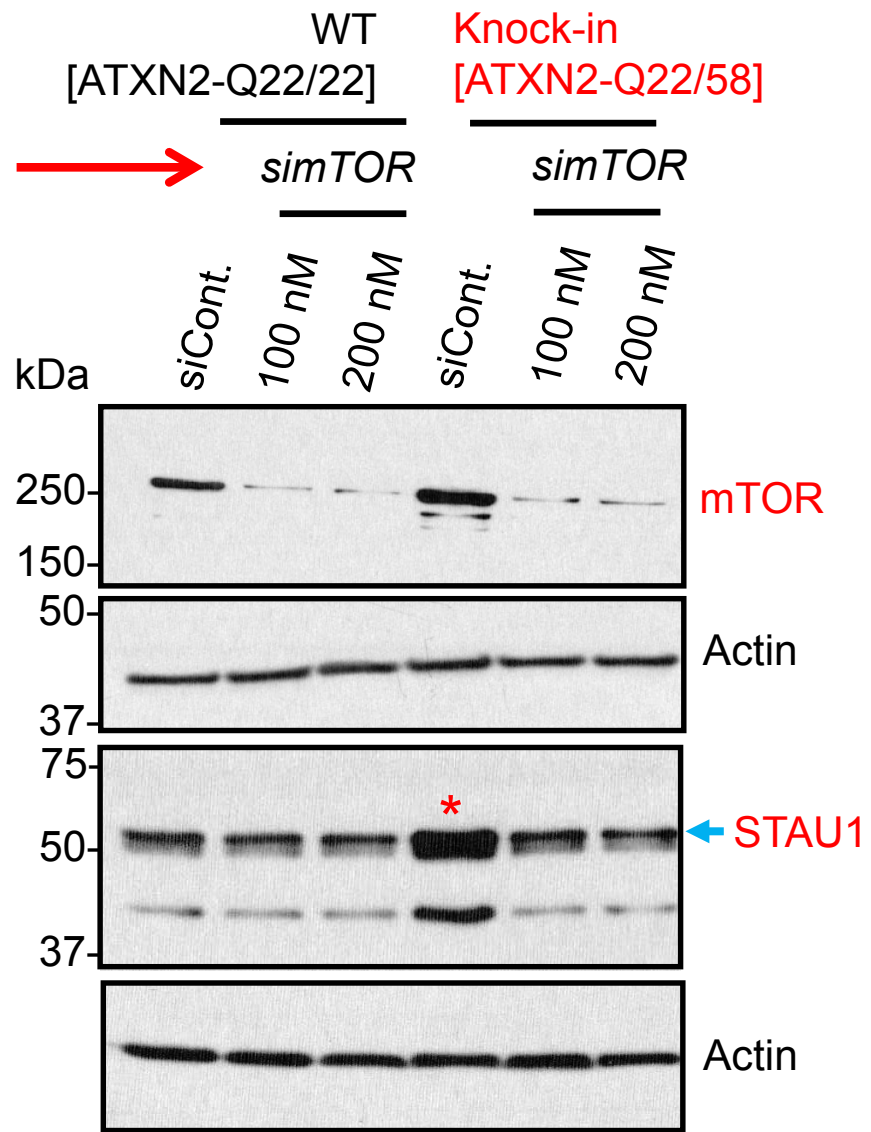
SH-SY5Y cells

Flag-ATXN2-

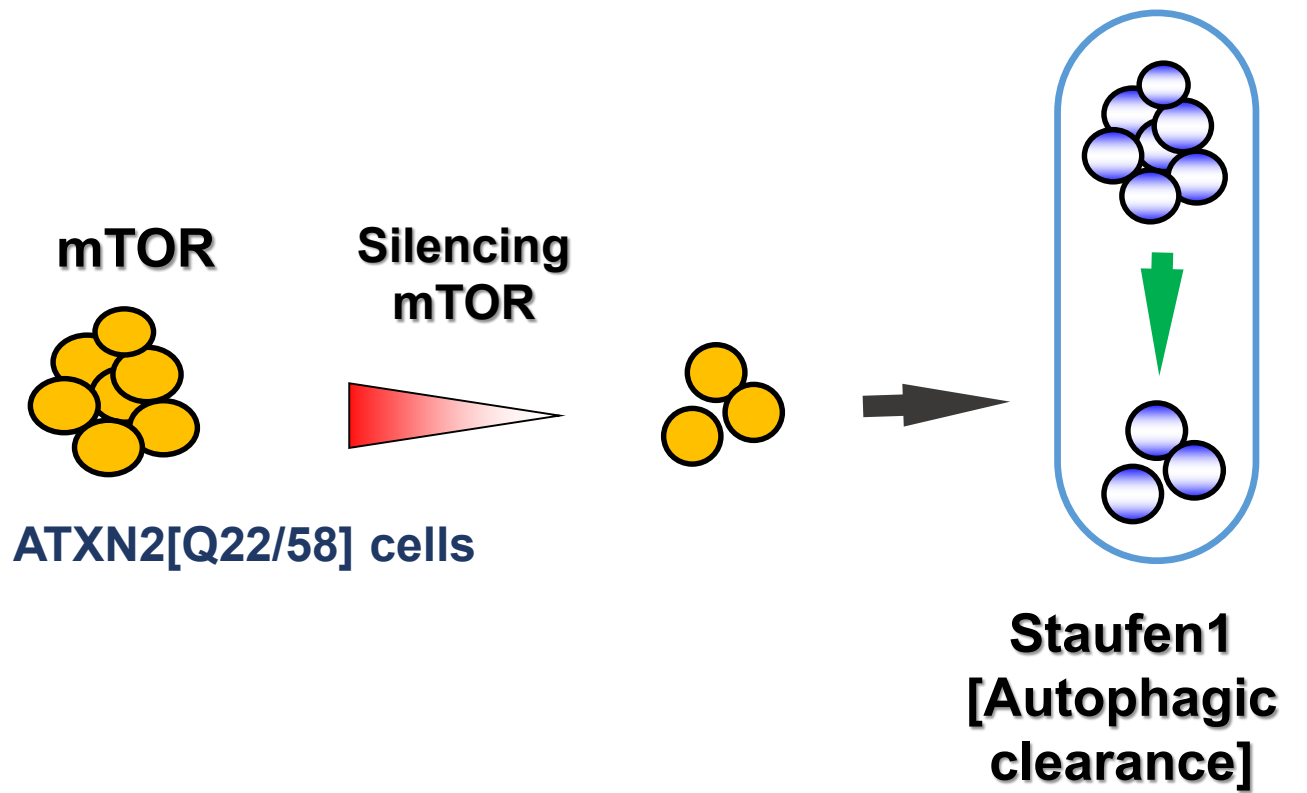


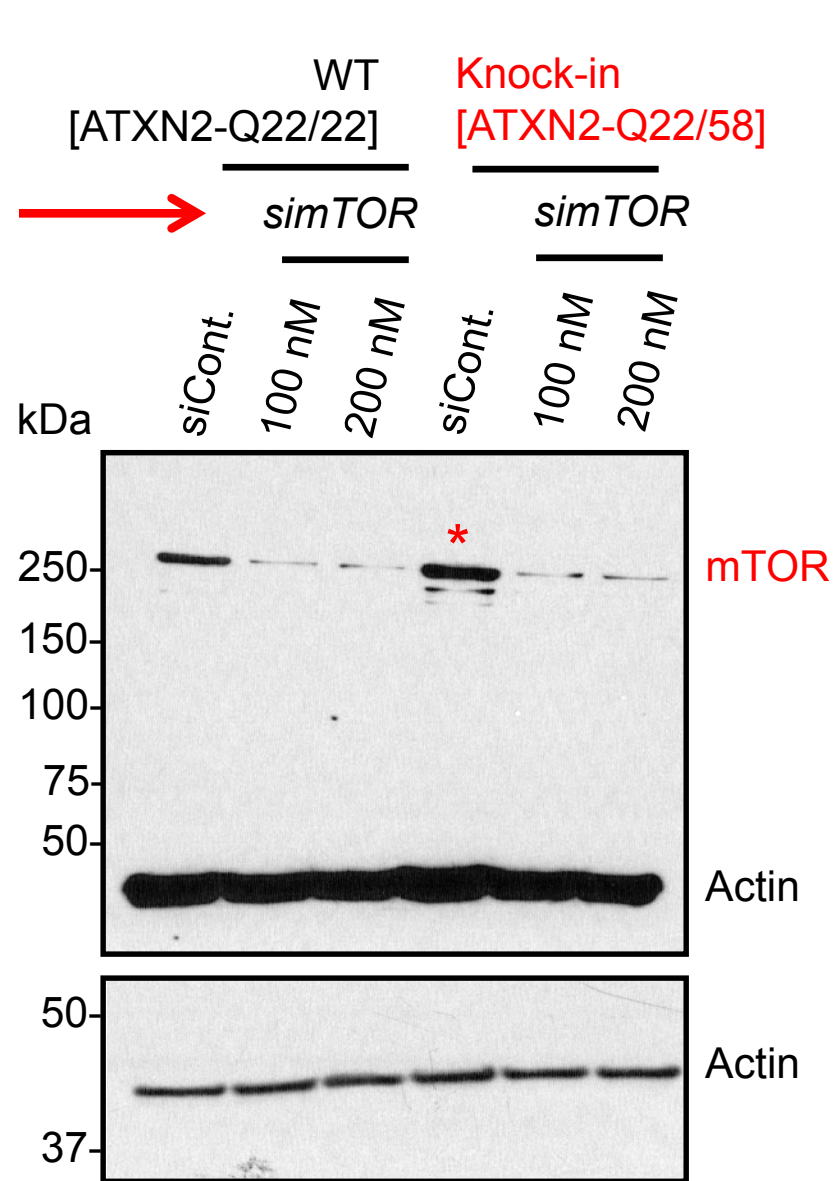
WB: LC3B & actin Abs

Lowering mTOR levels normalizes Staufen1 levels in ATXN2[-Q22/58] knock-in SH-SY5Y cells, leading to autophagic clearance of increased Staufen levels in SCA2

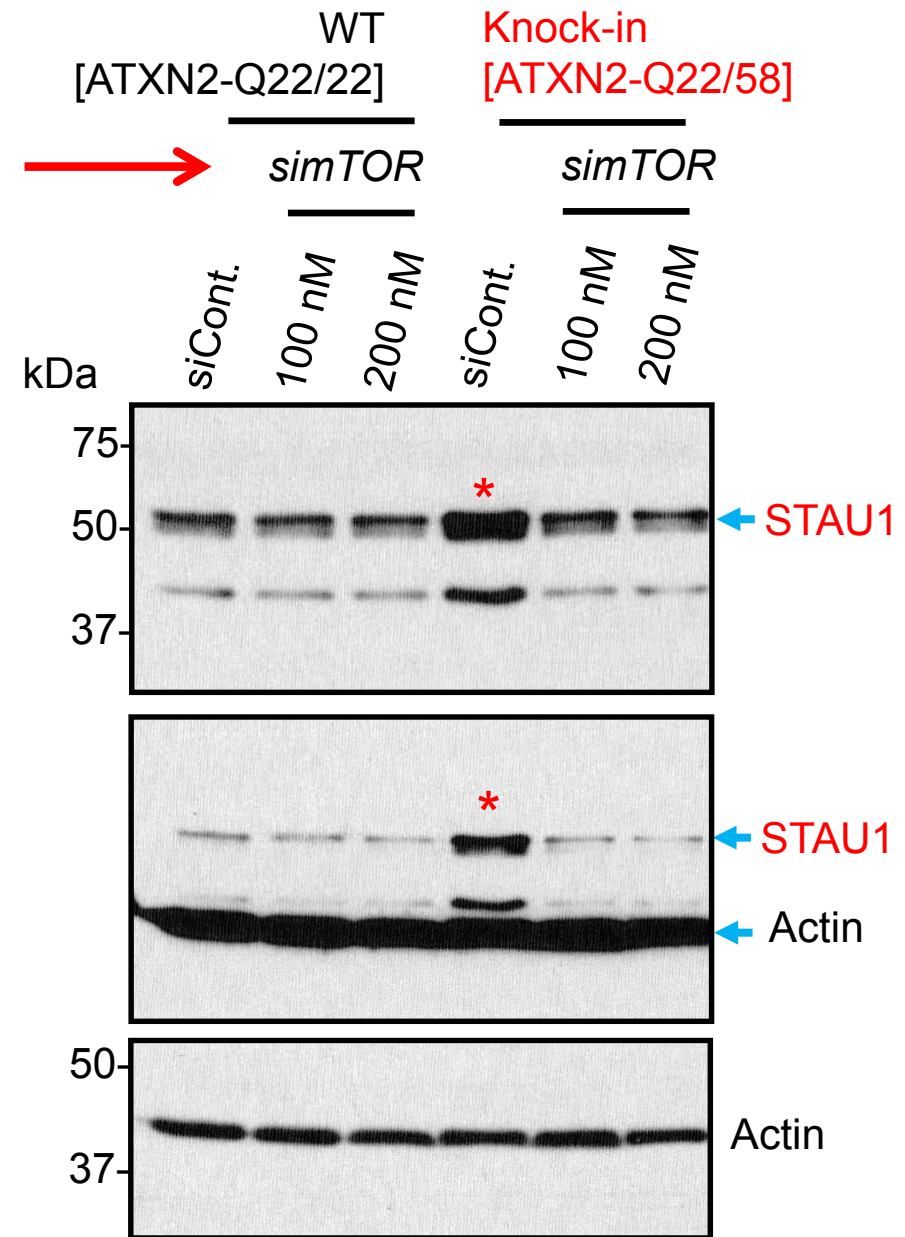


WB: Staufen & Actin Abs





WB: mTOR & Actin Abs
siCont. RNA: 200 nM



WB: Staufen & Actin Abs

