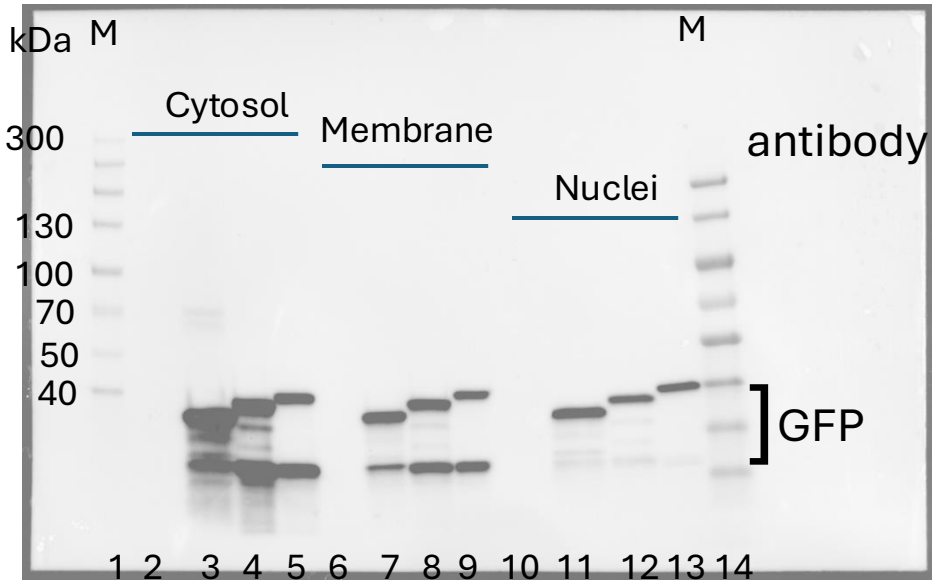
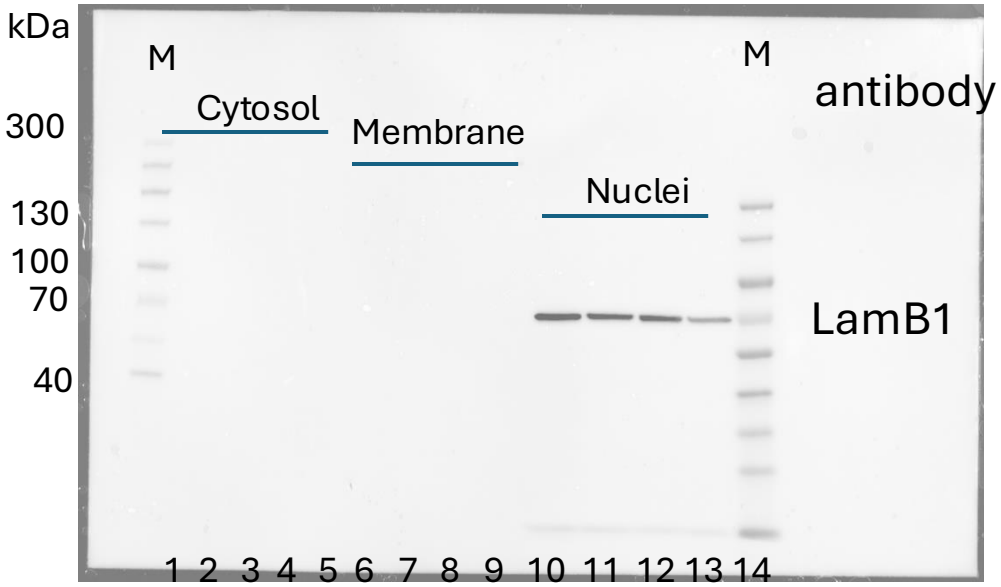
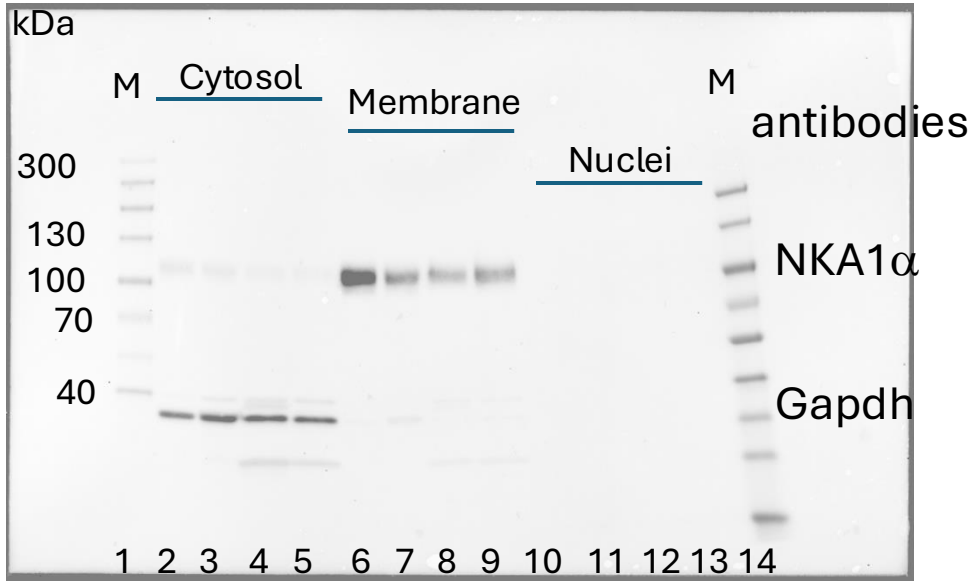
Immunoblots (HEK cells) of subcellular localization of NaviPA2 and mutant transfection







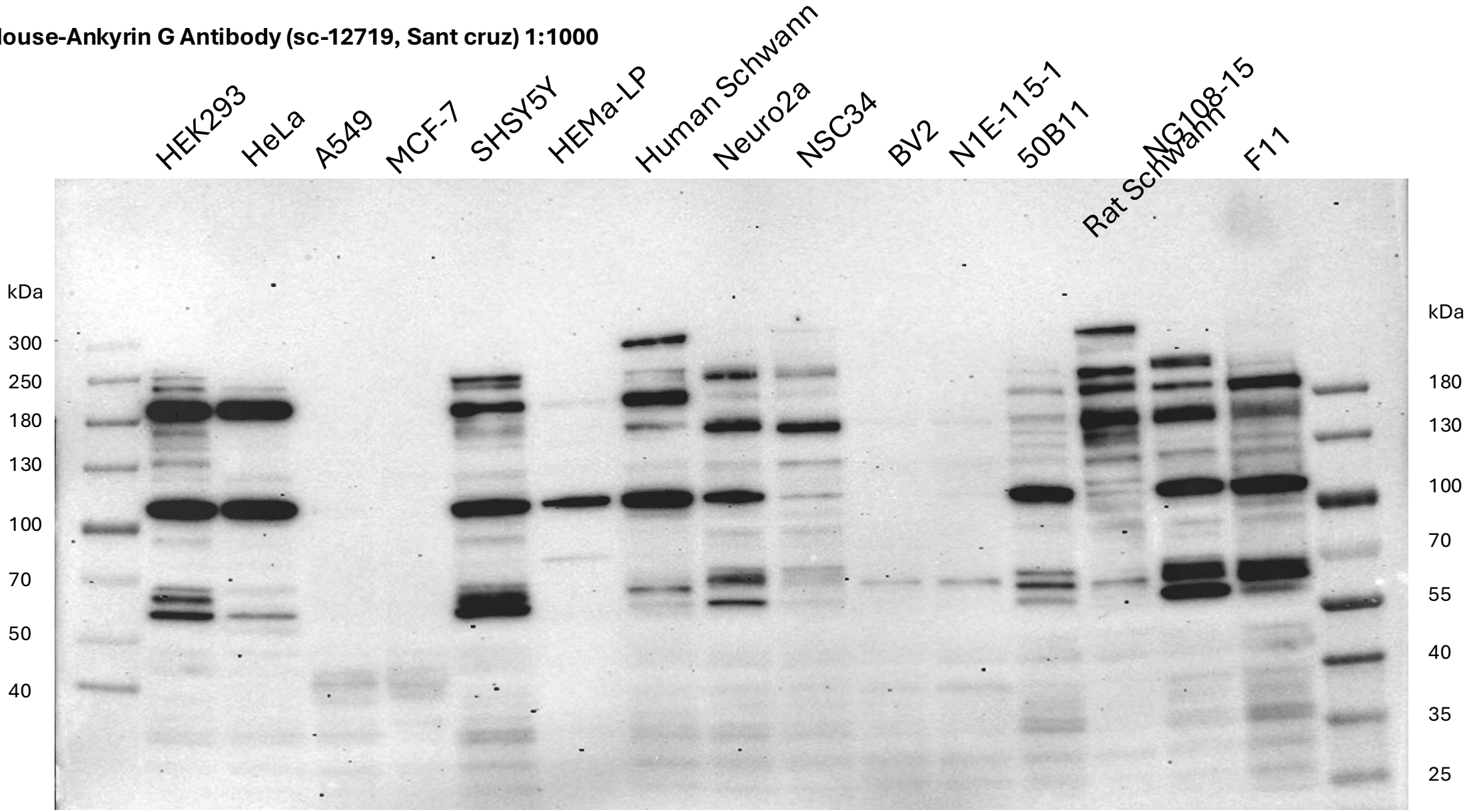
HEK transfection and Cyto/Mem/Nuclei extraction

Legend (all panels)
Lane 1 and 14: protein ladders
Lane 2-5: Cytosol (Naïve, GFPNP, GFP-NaviPA2, and Co1.7AnkG)
Lane 6-9: Membrane (Naïve, GFPNP, GFP-NaviPA2, and Co1.7AnkG)
Lane 10-13: Nuclei (Naïve, GFPNP, GFP-NaviPA2, and Co1.7AnkG)

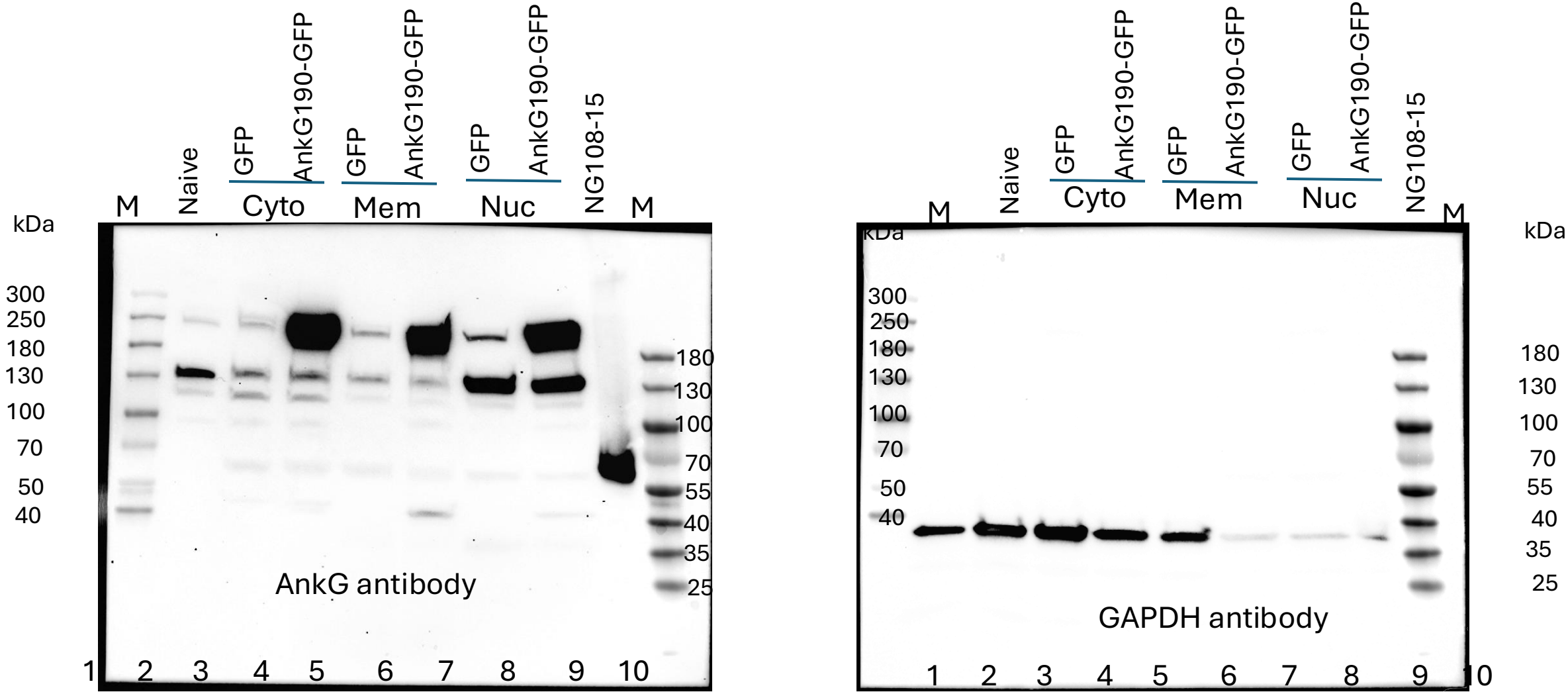
Edited panels shown in PPRP B2 Figure 4

AnkG expression in multiple Cell lines (immunoblots)

Mouse-Ankyrin G Antibody (sc-12719, Sant cruz) 1:1000



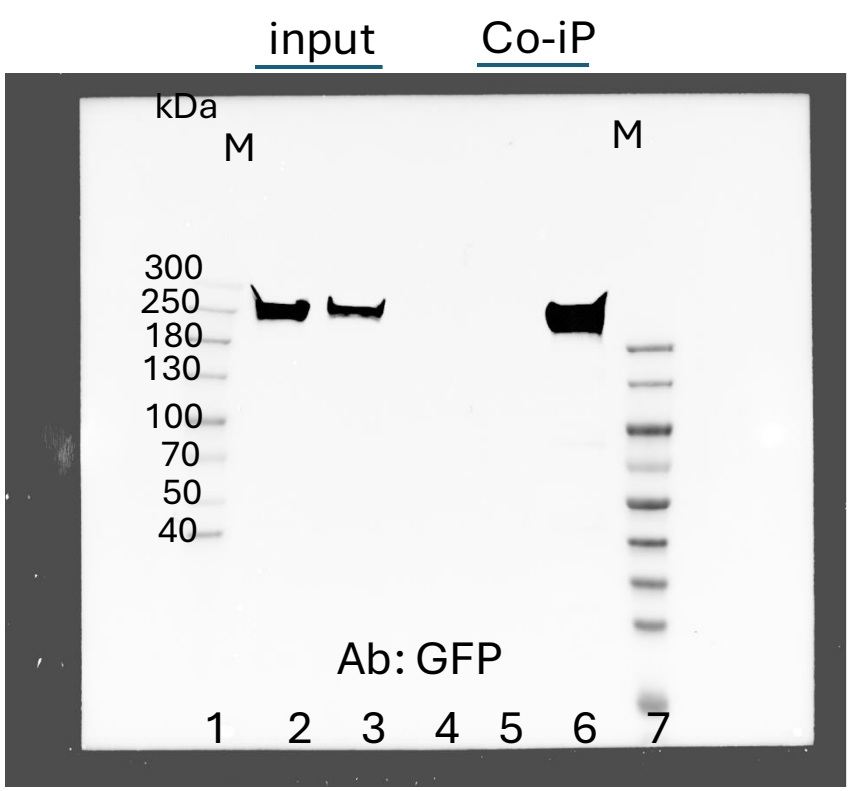
Immunoblots (HEK cells) of subcellular localization of AnkG (Edited panels in PPRP B2 Figure 4)

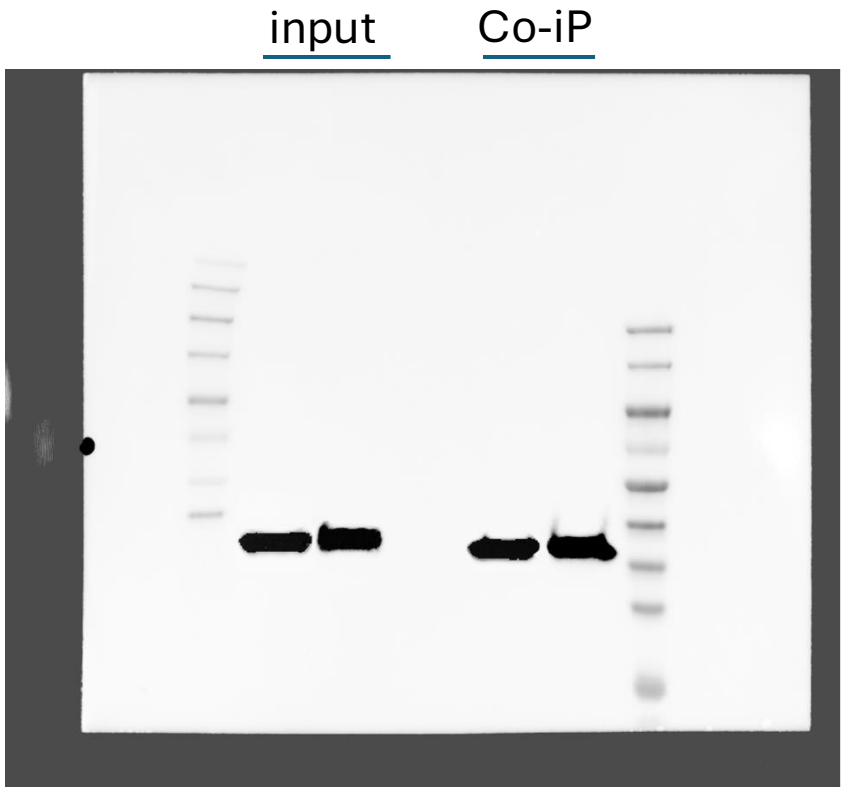


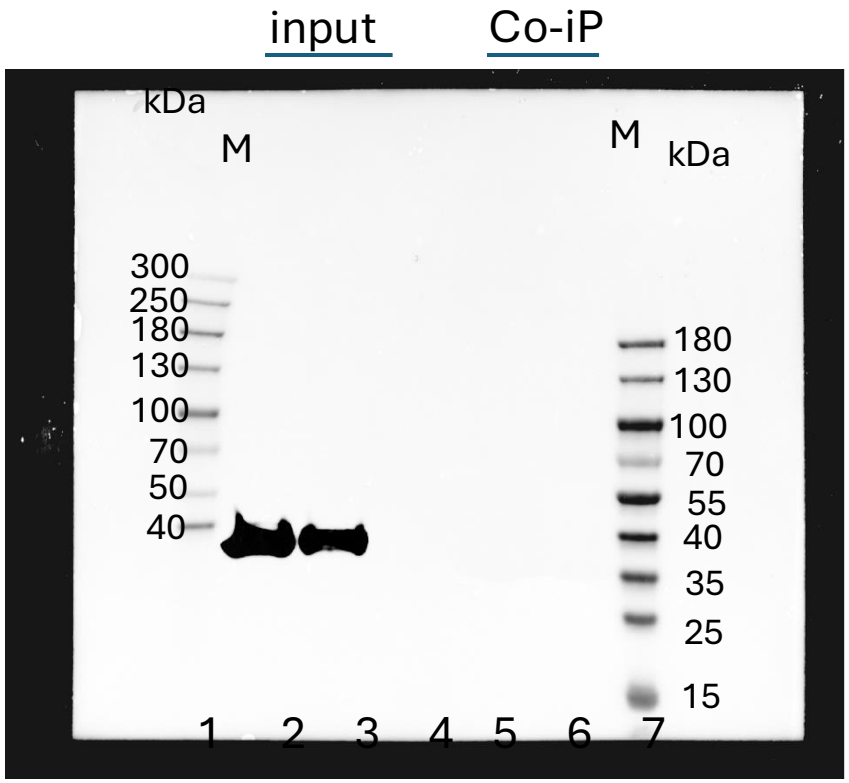
Legend (for both panels): Lane 1 and 10; protein ladders (thermoFisher 26625 and 26616). Lane 2 and 9: cell lysates from HEK and NG108 cells. Lane 3 and 4: extracted cytosol fractions from HEK cells transfected with GFP and AnkG190-GFP. Lane 5 and 6: extracted membrane fractions from HEK cells transfected with GFP and AnkG190-GFP. Lane 7 and 8: extracted nuclear fractions from HEK cells transfected with GFP and AnkG190-GFP

NaviPA2 and AnkG Interation: HA affinity pull-down and GFP immunoblot (HEK cells)

(Edited panels: PPRP B2 Figure 4)







Legend for all panels

Lane 1 and 7: protein ladders (thermoFisher 26625 and 26616). Lane 4: empty

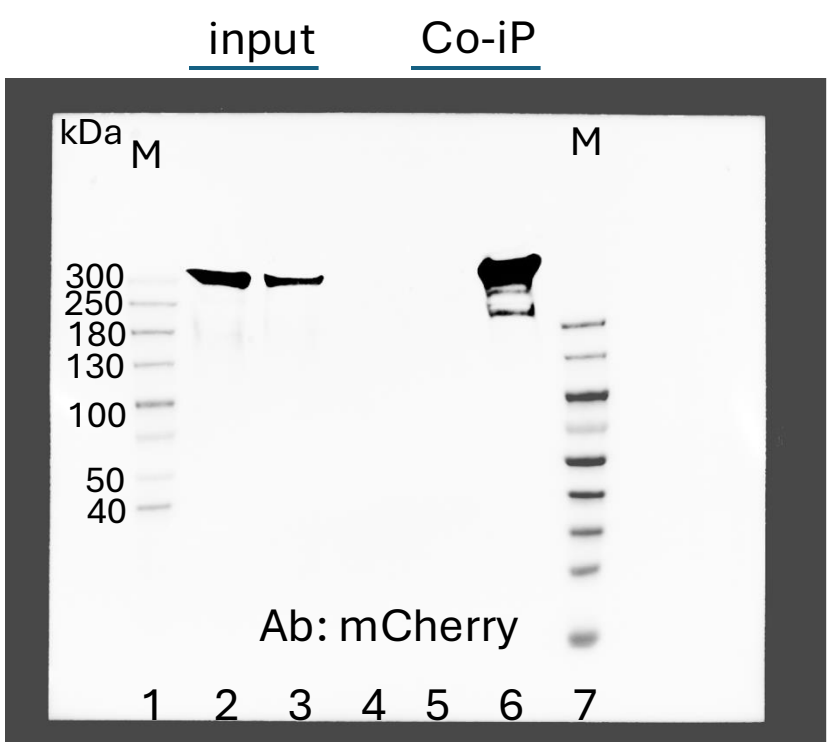
Lane 2 : cell lysates of HA-NP (control) and AnkG190GFP co-transfection

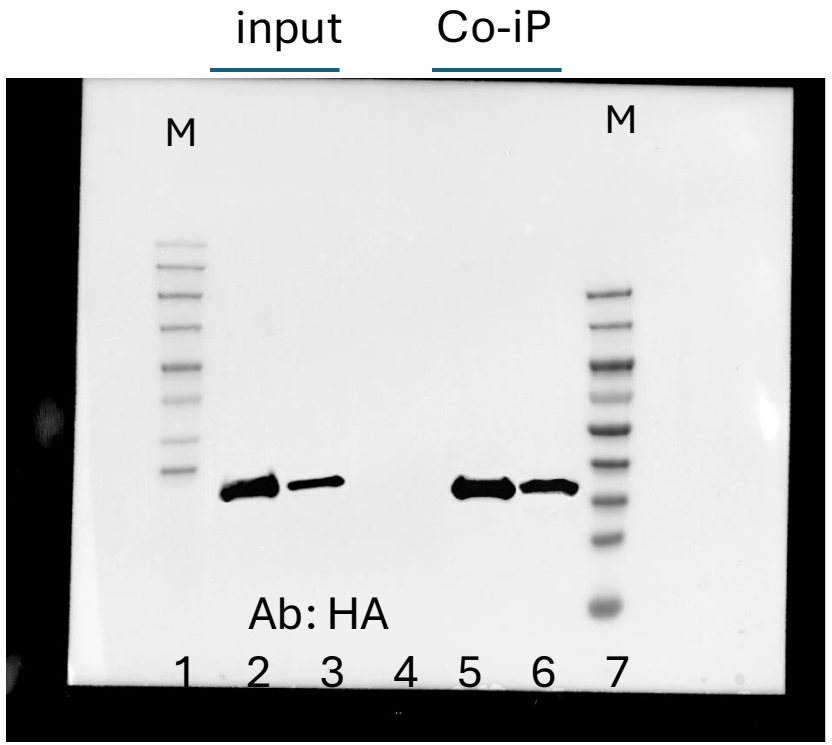
Lane 3: cell lysates of HA-NaviPA2 and AnkG190GFP co-transfection

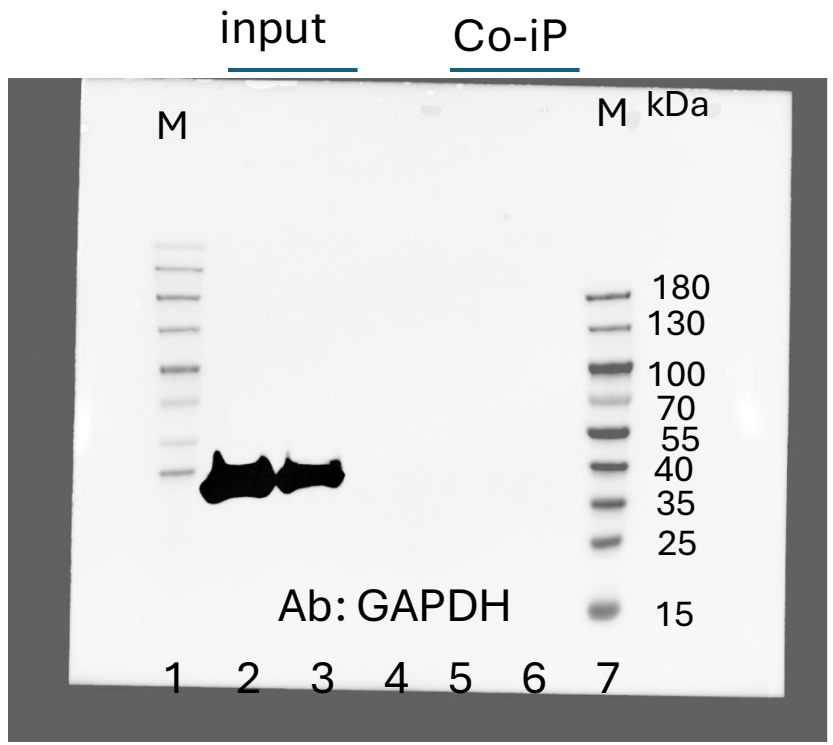
Lane 5: HA affinity pull-down beads of HA-NP (control) and AnkG190GFP co-transfection

Lane 6: HA affinity pull-down beads of HA-NaviPA2 and AnkG190GFP co-transfection

NaviPA2 and AnkG Interation: HA affinity pull-down and mCherry immunoblot (HEK cells)







Legend for all panels
Lane 1 and 7: protein ladders (thermoFisher 26625 and 26616). Lane 4: empty
Lane 2 : cell lysates of HA-NP (control) and AnkGmCherry co-transfection
Lane 3: cell lysates of HA-NaviPA2 and AnkGmCherry co-transfection
Lane 5: HA affinity pull-down beads of HA-NP (control) and AnkGmCherry co-transfection
Lane 6: HA affinity pull-down beads of HA-NaviPA2 and AnkGmCherry co-transfection