

SNX3 antibody

Product Information

Catalog No.:	FNab08091
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Phosphoinositide-binding protein required for multivesicular body formation. Specifically binds phosphatidylinositol 3-phosphate(PtdIns(P3)). Also can bind phosphatidylinositol 4-phosphate(PtdIns(P4)), phosphatidylinositol 5-phosphate(PtdIns(P5)) and phosphatidylinositol 3,5-biphosphate(PtdIns(3,5)P2)(By similarity). Plays a role in protein transport between cellular compartments. Together with RAB7A facilitates endosome membrane association of the retromer cargo-selective subcomplex(CSC/VPS). May in part act as component of the SNX3-retromer complex which mediates the retrograde endosome-to-TGN transport of WLS distinct from the SNX-BAR retromer pathway(PubMed:21725319, PubMed:24344282). Promotes stability and cell surface expression of epithelial sodium channel(ENAC) subunits SCNN1A and SCNN1G(By similarity). Not involved in EGFR degradation. Involved in the regulation of phagocytosis in dendritic cells possibly by regulating EEA1 recruitment to the nascent phagosomes(PubMed:23237080). Involved in iron homeostasis through regulation of endocytic recycling of the transferrin receptor TFRC presumably by delivering the transferrin:transferrin receptor complex to recycling endosomes; the function may involve the CSC retromer subcomplex(By similarity). In the case of Salmonella enterica infection plays a role in maturation of the Salmonella-containing vacuole(SCV) and promotes recruitment of LAMP1 to SCVs(PubMed:20482551).

Immunogen information

Immunogen:	sorting nexin 3
Synonyms:	Sorting nexin-3 Protein SDP3 SNX3

Observed MW: 16-20 kDa

Uniprot ID : O60493

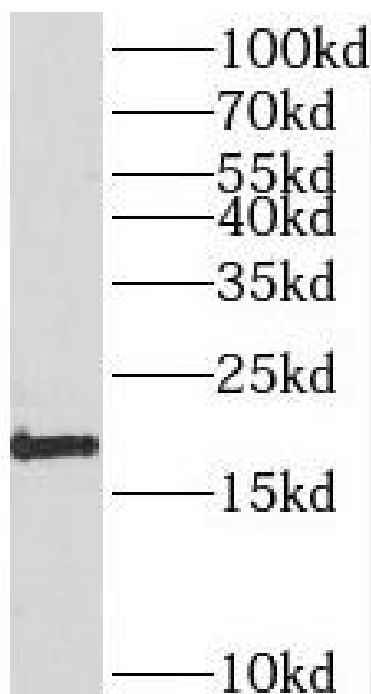
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IF

Recommended dilution: WB: 1:500-1:2000; IF: 1:20-1:200

Image:



COLO 320 cells were subjected to SDS PAGE followed by western blot with FNab08091(SNX3 antibody) at dilution of 1:500