

SNX1 Rabbit mAb
Catalog # AP76716**Specification**

SNX1 Rabbit mAb - Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	Q13596
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	59070

SNX1 Rabbit mAb - Additional Information**Gene ID** 6642**Other Names**
SNX1**Dilution**
WB~~1/500-1/1000
IHC-P~~N/A
IHC-F~~N/A
ICC~~N/A**Format**
Liquid**SNX1 Rabbit mAb - Protein Information****Name** SNX1**Function**

Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) or phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (PubMed: [12198132](http://www.uniprot.org/citations/12198132)). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier (ETC) (Probable). Can sense membrane curvature and has in vitro vesicle-to-membrane remodeling activity (PubMed: [19816406](http://www.uniprot.org/citations/19816406), PubMed: [23085988](http://www.uniprot.org/citations/23085988)). Involved in retrograde endosome-to-TGN transport of lysosomal enzyme receptors (IGF2R, M6PR and SORT1) and Shigella dysenteriae toxin stxB. Plays a role in targeting ligand-activated EGFR to the lysosomes for degradation after endocytosis from the cell surface and release from the Golgi (PubMed: [12198132](http://www.uniprot.org/citations/12198132)),

PubMed:15498486,
PubMed:17101778,
PubMed:17550970,
PubMed:18088323,
PubMed:21040701).
Involvement in retromer-independent endocytic trafficking of P2RY1 and lysosomal degradation of
protease-activated receptor-1/F2R (PubMed:16407403 , PubMed:20070609). Promotes KALRN- and RHOG-dependent but
retromer-independent membrane remodeling such as lamellipodium formation; the function is
dependent on GEF activity of KALRN (PubMed:20604901). Required for
endocytosis of DRD5 upon agonist stimulation but not for basal receptor trafficking (PubMed:23152498).

Cellular Location

Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus,
trans-Golgi network membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome
membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium.
Note=Enriched on tubular elements of the early endosome membrane. Binds preferentially to
highly curved membranes enriched in phosphatidylinositol 3-phosphate (PtdIns(3P)) or
phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (PubMed:15498486). Colocalized with SORT1
to tubular endosomal membrane structures called endosome-to-TGN transport carriers (ETCs)
which are budding from early endosome vacuoles just before maturing into late endosome
vacuoles (PubMed:18088323). Colocalizes with DNAJC13 and Shigella dysenteriae toxin stxB on
early endosomes (PubMed:19874558) Colocalized with F-actin at the leading edge of lamellipodia
in a KALRN-dependent manner (PubMed:20604901).

SNX1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SNX1 Rabbit mAb - Images



