

**SNX1 Rabbit mAb**  
Catalog # AP76716**Specification**

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**SNX1 Rabbit mAb - Product Information**

|                   |                            |
|-------------------|----------------------------|
| Application       | <b>WB, IHC, IF</b>         |
| Primary Accession | <a href="#">Q13596</a>     |
| Reactivity        | <b>Human</b>               |
| Host              | <b>Rabbit</b>              |
| Clonality         | <b>Monoclonal Antibody</b> |
| Calculated MW     | <b>59070</b>               |

**SNX1 Rabbit mAb - Additional Information****Gene ID** 6642**Other Names**

SNX1

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**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 Shiginella dysenteria 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](http://www.uniprot.org/citations/15498486)),

PubMed: <a href="http://www.uniprot.org/citations/17101778" target="\_blank">17101778</a>, PubMed: <a href="http://www.uniprot.org/citations/17550970" target="\_blank">17550970</a>, PubMed: <a href="http://www.uniprot.org/citations/18088323" target="\_blank">18088323</a>, PubMed: <a href="http://www.uniprot.org/citations/21040701" target="\_blank">21040701</a>). Involvement in retromer-independent endocytic trafficking of P2RY1 and lysosomal degradation of protease-activated receptor-1/F2R (PubMed: <a href="http://www.uniprot.org/citations/16407403" target="\_blank">16407403</a>, PubMed: <a href="http://www.uniprot.org/citations/20070609" target="\_blank">20070609</a>). Promotes KALRN- and RHOG-dependent but retromer-independent membrane remodeling such as lamellipodium formation; the function is dependent on GEF activity of KALRN (PubMed: <a href="http://www.uniprot.org/citations/20604901" target="\_blank">20604901</a>). Required for endocytosis of DRD5 upon agonist stimulation but not for basal receptor trafficking (PubMed: <a href="http://www.uniprot.org/citations/23152498" target="\_blank">23152498</a>).

### 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



