

Anti-SNX1 Antibody (aa122-135)
Goat Anti Human Polyclonal Antibody
Catalog # ALS17814**Specification**

Anti-SNX1 Antibody (aa122-135) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q13596
Predicted	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	59070

Anti-SNX1 Antibody (aa122-135) - Additional Information**Gene ID** 6642**Alias Symbol** **SNX1****Other Names**

SNX1, HsT17379, SNX1A, Sorting nexin 1, Sorting nexin 1A, Sorting nexin-1, VPS5

Target/Specificity

Human SNX1. This antibody is expected to recognize isoform a and c (NP_003090.2; NP_690039.1).

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-SNX1 Antibody (aa122-135) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SNX1 Antibody (aa122-135) - 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, PubMed:15498486, PubMed:17550970, PubMed:17101778, 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).

Anti-SNX1 Antibody (aa122-135) - 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](#)

Anti-SNX1 Antibody (aa122-135) - Images