

SNX2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16134b**Specification**

SNX2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O60749](#)**SNX2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6643**Other Names**

Sorting nexin-2, Transformation-related gene 9 protein, TRG-9, SNX2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SNX2 Antibody (C-term) Blocking Peptide - Protein Information**Name** SNX2**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:16179610). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex (PubMed:17101778). 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:23085988). Required for retrograde endosome-to-TGN transport of TGN38 (PubMed:20138391). 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).

Cellular Location

Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium Note=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). Colocalized with F-actin at the leading edge of lamellipodia in cells in a KALRN-dependent manner (PubMed:20604901).

SNX2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNX2 Antibody (C-term) Blocking Peptide - Images

SNX2 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein associates with formin-binding protein17, but its function is unknown. This protein may form oligomeric complexes with family members.

SNX2 Antibody (C-term) Blocking Peptide - References

Skandland, S.S., et al. Traffic 8(3):297-309(2007) Rojas, R., et al. Mol. Cell. Biol. 27(3):1112-1124(2007) Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006) Carlton, J.G., et al. J. Cell. Sci. 118 (PT 19), 4527-4539 (2005) :Abdul-Ghani, M., et al. J. Cell. Physiol. 204(1):210-218(2005)