

SNX18 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17333b**Specification**

SNX18 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96RF0](#)**SNX18 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 112574

Other Names

Sorting nexin-18, SH3 and PX domain-containing protein 3B, Sorting nexin-associated Golgi protein 1, SNX18, SH3PXD3B, SNAG1

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.

SNX18 Antibody (C-term) Blocking Peptide - Protein Information**Name** SNX18 {ECO:0000303|PubMed:18411244, ECO:0000312|HGNC:HGNC:19245}**Function**

Involved in endocytosis and intracellular vesicle trafficking, both during interphase and at the end of mitosis (PubMed:20427313, PubMed:18411244, PubMed:21048941, PubMed:22718350). Required for efficient progress through mitosis and cytokinesis (PubMed:22718350). Required for normal formation of the cleavage furrow at the end of mitosis (PubMed:22718350). Plays a role in endocytosis via clathrin-coated pits, but also clathrin-independent, actin- dependent fluid-phase endocytosis (PubMed:20427313). Plays a role in macropinocytosis (PubMed:21048941). Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate and promotes membrane tubulation (PubMed:18411244). Stimulates the GTPase activity of DNM2 (PubMed:20427313). Promotes

DNM2 location at the plasma membrane (PubMed:20427313). Together with DNM2, involved in autophagosome assembly by regulating trafficking from recycling endosomes of phospholipid scramblase ATG9A (PubMed:29437695).

Cellular Location

Endomembrane system; Peripheral membrane protein; Cytoplasmic side. Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Recycling endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Note=Localized at sites of endocytosis at the cell membrane (PubMed:18411244). Detected on newly formed macropinosomes (PubMed:21048941). Partially colocalized with clathrin and dynamin at the cell membrane (PubMed:20427313). Transiently recruited to clathrin-coated pits at a late stage of clathrin-coated vesicle formation (PubMed:18411244).

SNX18 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNX18 Antibody (C-term) Blocking Peptide - Images

SNX18 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 does not contain a coiled coil region, like some family members, but contains a SH3 domain. Multiple transcript variants encoding different isoforms have been found for this gene.

SNX18 Antibody (C-term) Blocking Peptide - References

Park, J., et al. J. Cell. Sci. 123 (PT 10), 1742-1750 (2010) :Voss, M., et al. BMC Immunol. 10, 53 (2009) :Haberg, K., et al. J. Cell. Sci. 121 (PT 9), 1495-1505 (2008) :Thornhill, P.B., et al. FEBS Lett. 581(23):4455-4462(2007) Seet, L.F., et al. Biochim. Biophys. Acta 1761(8):878-896(2006)