

SNX18 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1733b

Specification

SNX18 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q96RF0
Other Accession	Q91ZR2 , NP_001096045.1 , NP_001138899.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68894
Antigen Region	485-514

SNX18 Antibody (C-term) - 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

Target/Specificity

This SNX18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 485-514 amino acids from the C-terminal region of human SNX18.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SNX18 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SNX18 Antibody (C-term) - 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:[18411244](#), PubMed:[20427313](#), 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

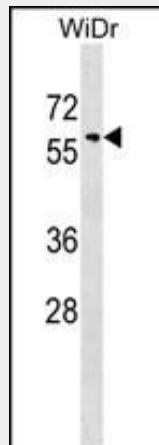
Endomembrane system; Peripheral membrane protein; Cytoplasmic side. Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Recycling endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle membrane; 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) - 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](#)

SNX18 Antibody (C-term) - Images



SNX18 Antibody (C-term) (Cat. #AP17333b) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the SNX18 antibody detected the SNX18 protein (arrow).

SNX18 Antibody (C-term) - 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) - 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)