

SNX4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12854b**Specification**

SNX4 Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	O95219
Other Accession	O91YJ2 , NP_003785.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51909
Antigen Region	391-420

SNX4 Antibody (C-term) - Additional Information**Gene ID** 8723**Other Names**

Sorting nexin-4, SNX4

Target/Specificity

This SNX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 391-420 amino acids from the C-terminal region of human SNX4.

Dilution

IHC-P~~1:10~50

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

SNX4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SNX4 Antibody (C-term) - Protein Information**Name** SNX4 {ECO:0000303|PubMed:9819414, ECO:0000312|HGNC:HGNC:11175}

Function Involved in the regulation of endocytosis and in several stages of intracellular trafficking (PubMed:[12668730](#), PubMed:[17994011](#), PubMed:[32513819](#), PubMed:[33468622](#)). Plays a role in recycling endocytosed transferrin receptor and prevent its degradation (PubMed:[17994011](#)). Involved in autophagosome assembly by regulating trafficking and recycling of phospholipid scramblase ATG9A (PubMed:[32513819](#), PubMed:[33468622](#)).

Cellular Location

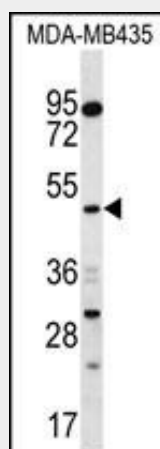
Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Note=Also detected on a juxtannuclear endocytic recycling compartment (ERC).

SNX4 Antibody (C-term) - Protocols

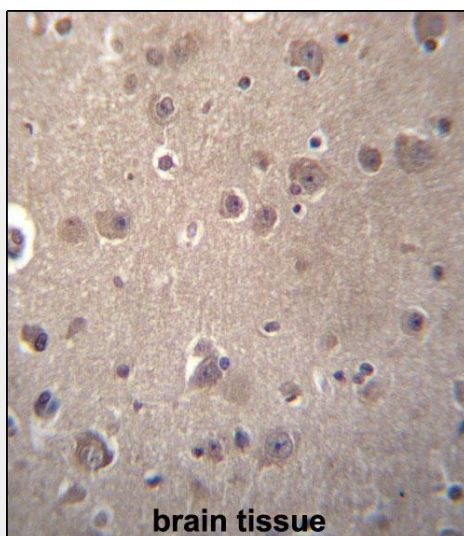
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SNX4 Antibody (C-term) - Images



SNX4 Antibody (C-term) (Cat. #AP12854b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the SNX4 antibody detected the SNX4 protein (arrow).



SNX4 Antibody (C-term) (Cat. #AP12854b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SNX4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SNX4 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 associated with the long isoform of the leptin receptor and with receptor tyrosine kinases for platelet-derived growth factor, insulin, and epidermal growth factor in cell cultures, but its function is unknown. This protein may form oligomeric complexes with family members. [provided by RefSeq].

SNX4 Antibody (C-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Skanland, S.S., et al. PLoS ONE 4 (6), E5935 (2009) :
Traer, C.J., et al. Nat. Cell Biol. 9(12):1370-1380(2007)
Skanland, S.S., et al. Traffic 8(3):297-309(2007)
Leprince, C., et al. J. Cell. Sci. 116 (PT 10), 1937-1948 (2003) :