

SNX7 Rabbit pAb

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Catalog # AP54797

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UNH6
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45303
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Human SNX7
Epitope Specificity	151-250/387
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Sorting nexin (SNX) proteins are members of a large family of hydrophilic PX (phospholipid-binding motif) domain-containing proteins that interact with a variety of receptor types. SNXs are widely expressed, although the tissue distribution of each SNX mRNA varies. The ability of SNXs to bind specific phospholipids, as well as their tendency to form protein-protein complexes, suggests a role for these proteins in cellular membrane trafficking and protein sorting. SNXs may also function specifically in pro-degradative sorting, internalization, endosomal recycling or simply in endosomal sorting. SNXs partially associate with cellular membranes, despite their hydrophilic nature. SNX7 is unique in that it does not have a coiled coil region like some of the SNX family members. Mutations in the SNX7 gene have not been shown to cause any diseases.

Additional Information

Gene ID	51375
Other Names	Sorting nexin-7 {ECO:0000303 PubMed:32513819, ECO:0000303 Ref.10}, SNX7
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SNX7
Function	Involved in the regulation of endocytosis and in several stages of intracellular trafficking (PubMed: 32513819). Together with SNX4, involved in autophagosome assembly by regulating trafficking and recycling of phospholipid scramblase ATG9A (PubMed: 32513819).
Cellular Location	Early endosome membrane; Peripheral membrane protein {ECO:0000250 UniProtKB:O95219}; Cytoplasmic side {ECO:0000250 UniProtKB:O95219}

Background

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