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SNX27 Rabbit pAb

Catalog # AP97616

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96L92
Other Accession	Q96L92
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61265
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SNX27
Epitope Specificity	351-450/541
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the sorting nexin family. Contains 1 PDZ (DHR) domain. Contains 1 PX (phox homology) domain. Contains 1 Ras-associating domain.
SUBUNIT	Interacts with PSCDBP. Isoforms 1 and 2 directly interact with DGKZ. Isoforms 1 and 2 interact with HT4R isoform 5-HTA(A). Interacts with MCC.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SNX27 is involved in endocytic trafficking. In T lymphocytes it participates in the endocytic recycling pathway. SNX27 recruits PSCDBP and HT4R to early endosomes.

Additional Information

Gene ID	81609
Other Names	MRT1; MY014; SNX27_HUMAN; SNX27; KIAA0488; sorting nexin 27; sorting nexin family member 27
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	SNX27
Synonyms	KIAA0488

Function	Involved in the retrograde transport from endosome to plasma membrane, a trafficking pathway that promotes the recycling of internalized transmembrane proteins. Following internalization, endocytosed transmembrane proteins are delivered to early endosomes and recycled to the plasma membrane instead of being degraded in lysosomes. SNX27 specifically binds and directs sorting of a subset of transmembrane proteins containing a PDZ-binding motif at the C- terminus: following interaction with target transmembrane proteins, associates with the retromer complex, preventing entry into the lysosomal pathway, and promotes retromer-tubule based plasma membrane recycling. SNX27 also binds with the WASH complex. Interacts with membranes containing phosphatidylinositol-3-phosphate (PtdIns(3P)). May participate in establishment of natural killer cell polarity. Recruits CYTIP to early endosomes.
Cellular Location	Early endosome membrane; Peripheral membrane protein. Cytoplasm, cytosol. Note=Localizes to immunological synapse in T-cells. In T- cells, recruited from the cytosol to sorting endosomes by phosphoinositide-3-kinase products
Tissue Location	Widely expressed. Expressed in cells of hematopoietic origin (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.