Best Tools for immunology Research

SNX27 rabbit pAb

Catalog No :	YN8779
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	SNX27
Gene Name :	SNX27 KIAA0488 My014
Protein Name :	Sorting nexin-27
Human Gene Id :	81609
Human Swiss Prot No :	Q96L92
Mouse Gene Id :	76742
Mouse Swiss Prot No :	Q3UHD6
Rat Gene Id :	260323
Rat Swiss Prot No :	Q8K4V4
Immunogen :	Synthesized peptide derived from human SNX27
Specificity :	This antibody detects endogenous levels of SNX27 at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	60kD
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.
Subcellular Location :	Early endosome membrane; Peripheral membrane protein. Cytoplasm, cytosol. Localizes to immunological synapse in T-cells. In T-cells, recruited from the cytosol to sorting endosomes by phosphoinositide-3-kinase products.
Expression :	Widely expressed. Expressed in cells of hematopoietic origin (at protein level).

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