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Vamp7 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12813

Product Information

Application	WB
Primary Accession	P70280
Other Accession	NM_011515, NP_035645
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Chicken, Dog, Guinea Pig, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24967

Additional Information

Gene ID	20955
Alias Symbol	Sybl1, TI-VAMP, VAMP-7
Other Names	Vesicle-associated membrane protein 7, VAMP-7, Synaptobrevin-like protein 1, Vamp7, Sybl1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Vamp7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Vamp7 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

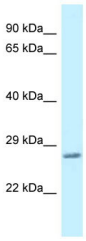
Name	Vamp7
Synonyms	Sybl1
Function	Involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during

phagosome formation.

Cellular Location

Cytoplasmic vesicle, secretory vesicle membrane; Single-pass type IV membrane protein. Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein. Late endosome membrane; Single-pass type IV membrane protein. Lysosome membrane; Single-pass type IV membrane protein Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Cytoplasmic vesicle, phagosome membrane; Single-pass type IV membrane protein. Synapse, synaptosome Note=In immature neurons expression is localized in vesicular structures in axons and dendrites while in mature neurons it is localized to the somatodendritic region. Colocalizes with LAMP1 in kidney cells. Localization to the endoplasmic reticulum membrane was observed in the intestine but not in liver or kidney (By similarity)

Images



WB Suggested Anti-Vamp7 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse liver