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[Primary Antibody]

Rabbit Anti-VAMP8 antibody

Catalog Number: SL11395R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	VAMP8
Immunogen:	KLH conjugated synthetic peptide derived from human VAMP8: 32-80/100
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep)
Predicted MW.:	11kDa
Subcellular Location:	The cell membrane
Background:	Syntaxins were originally thought to be docking proteins, but have more recently been categorized as anchoring proteins that anchor themselves to the cytoplasmic surfaces of cellular membranes. Syntaxins bind to various proteins involved in exocytosis, including VAMPs (vesicle-associated membrane proteins), NSF (N-ethylmaleimide-sensitive factor), SNAPs (soluble NSF attachment proteins) and Synaptotagmin. Endobrevin, also designated VAMP-8 or ED, is a 100 amino acid single-pass type IV membrane protein that belongs to the synaptobrevin family. Similar in sequence to the synaptobrevins, endobrevin is abundantly expressed in kidney, moderately expressed in heart and spleen, and slightly expressed in brain, thymus and liver. Endobrevin interacts specifically with the SNAPs, most likely through an

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	endobrevin-containing SNARE complex. **Function:** Involved in the targeting and/or fusion of transport vesicles to their target membrane. Involved for dense-granule secretion in platelets. Plays a role in regulated enzyme secretion in pancreatic acinar cells. Involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells. Involved in the homotypic fusion of early and late endosomes. **Subunit:** Found in a number of SNARE complexes with NAPA, SNAP23, SNAP25, STX1A, STX4, STX7, STX8 and VTI1B (By similarity). Interacts with STX8 (By similarity). **Subcellular Location:** Membrane; Single-pass type IV membrane protein. **Tissue Specificity:** Platelets. **Similarity:** Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain. **Database links:** **Entrez Gene:** 8673 Human **Entrez Gene:** 22320 Mouse **Entrez Gene:** 83730 Rat Omim: 603177 Human **SwissProt:** Q9BV40 Human **SwissProt:** O70404 Mouse **SwissProt:** Q9WUF4 Rat **Unigene:** 714302 Human **Unigene:** 1838 Mouse **Unigene:** 82672 Rat

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