

Rabbit Anti-VAMP8/AP Conjugated antibody

SL11395R-AP

Product Name	Anti-VAMP8/AP
Chinese Name	碱性磷酸酶（AP）标记的囊泡相关膜蛋白 8 抗体
Alias	EDB; Endobrevin; VAMP 5; VAMP-5; VAMP 8; VAMP-8; VAMP5; VAMP8; VAMP8_HUMAN; Vesicle associated membrane protein 8; Vesicle-associated membrane protein 8.
Research Area	Cell biology Neurobiology Cell differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep) IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	11kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human VAMP8 (32-80aa)
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	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 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

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.