VAMP8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VAMP8, Polyclonal Antibody
Full Product Name	VAMP8 (Vesicle-Associated Membrane Protein 8, VAMP-8, Endobrevin, EDB, VAMP8) (MaxLight 550)
Product Gene Name	anti-VAMP8 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human VAMP8. Species Crossreactivity: human
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	11,438 Da
OMIM	603177
3D Structure	ModBase 3D Structure for Q9BV40
Immunogen	KLH conjugated synthetic peptide corresponding to aa1-30 at the N-terminal region of human VAMP8.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-VAMP8 antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-VAMP8 antibody	Western Blot (WB), Immunohistochemistry (IHC) Paraffin
Application Notes for anti-VAMP8 antibody	WB: 1:1000 IHC-P: 1:25 Applications are based on unconjugated antibody.
Related Product Information for anti-VAMP8 antibody	MBS6460184 is an antibody targeting VAMP8. Also known as VAMP8 (Vesicle-Associated Membrane Protein 8, VAMP-8, Endobrevin, EDB, VAMP8) (MaxLight 550). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-VAMP8 antibody	Wong S.H., et al. Mol. Biol. Cell 9:1549-1563(1998). Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Hillier L.W., et al. Nature 434:724-731(2005). Polgar J., et al. Blood 100:1081-1083(2002).
Other Notes	Small volumes of anti-VAMP8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VAMP8. It may not necessarily be applicable to this product.

NCBI GI #	14043026
NCBI GeneID	8673
NCBI Accession #	NP_003752.2
UniProt Primary Accession #	Q9BV40
UniProt Secondary Accession #	O60625; Q53SP9; Q6IB09
UniProt Related Accession #	Q9BV40
GenBank Nucleotide #	NM_003761.4
NCBI Official Full Name	vesicle-associated membrane protein 8
NCBI Official Synonym Full Names	vesicle-associated membrane protein 8
NCBI Official Symbol	VAMP8
NCBI Official Synonym Symbols	EDB; VAMP-8
UniProt Protein Name	Vesicle-associated membrane protein 8
UniProt Synonym Protein Names	Endobrevin; EDB
Protein Family	Vesicle-associated membrane protein
UniProt Gene Name	VAMP8
UniProt Synonym Gene Names	VAMP-8; EDB
UniProt Entry Name	VAMP8_HUMAN
NCBI Protein Information	vesicle-associated membrane protein 8; vesicle-associated membrane protein 8 (endobrevin)
NCBI Summary for VAMP8	This gene encodes an integral membrane protein that belongs to the synaptobrevin/vesicle-associated membrane protein subfamily of soluble N-ethylmaleimide-sensitive factor attachment protein receptors (SNAREs). The encoded protein is involved in the fusion of synaptic vesicles with the presynaptic membrane.[provided by RefSeq, Jun 2010]
UniProt Comments for VAMP8	VAMP8: 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. Belongs to the synaptobrevin family. Protein type: Membrane protein, integral; Vesicle Chromosomal Location of Human Ortholog: 2p12-p11.2 Cellular Component: cell surface; mitochondrion; lysosomal membrane; late endosome membrane; secretory granule membrane; early endosome; integral to membrane; cytosol; SNARE complex; recycling endosome; membrane; perinuclear region of cytoplasm; cytoplasm; plasma membrane; vesicle Molecular Function: SNAP receptor activity; protein binding; SNARE binding; chloride channel inhibitor activity; syntaxin binding Biological Process: vesicle fusion; protein transport; entry of virus into host cell; exocytosis; autophagic vacuole fusion; neutrophil degranulation; regulation of endocytosis; eosinophil degranulation; endocytosis; post-Golgi vesicle-mediated transport
Research Articles on VAMP8	**1.** Inhibition of VAMP8, but not VAMP7, significantly reduces viral entry.
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