

Rabbit anti-Human VAMP4 Polyclonal Antibody | anti-VAMP4 antibody

Anti-VAMP4 Antibody, Rabbit Polyclonal

CATALOG # AAA256938	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

VAMP4; Polyclonal Antibody; Anti-VAMP4 Antibody; Rabbit Polyclonal; VAMP4 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-RP4-560B9.3 Antibody; Anti-VAMP-4 Antibody; Anti-VAMP24 Antibody; anti-VAMP4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human VAMP4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-VAMP4 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human VAMP4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human VAMP4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human VAMP4 in cynomolgus cerebellum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human VAMP4 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-VAMP4 antibody	The predominant players in membrane fusion events are the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family of proteins. Vesicle-associated membrane protein 4 (VAMP4), one of SNARE family member, contains a dileucine motif and binds to the AP-1 (adaptor protein-1) subunit mu 1a, but not mu 1b, or the GGAs (Golgi-associated gamma ear containing ARF binding proteins). VAMP4 is enriched in the trans-Golgi network (TGN) and functions in traffic from the early and recycling endosomes to the TGN. The maintenance of Golgi ribbon structure requires normal retrograde trafficking from the early endosome to the TGN, which is likely to be mediated by the formation of VAMP4-containing SNARE complexes.
References	Steegmaier M, et al. (1999) Vesicle-associated membrane protein 4 is implicated in trans-golgi network vesicle trafficking. Mol Biol Cell 10 (6): 1957-1972.Shitara A, et al. (2013) Vamp4 is required to maintain the ribbon structure of the golgi apparatus. Mol Cell Biochem 380 (1-2): 11-21.Hinners I, et al. (2003) Ap-1 recruitment to vamp4 is modulated by phosphorylation-dependent binding of pacs-1. EMBO Rep 4 (12): 1182-1189.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vamp4-antibody-immunohistochemistry-elisa/256938>