

Summary

Production Name	VAMP-4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	VAMP4
Alternative Names	VAMP4; Vesicle-associated membrane protein 4; VAMP-4
Gene ID	8674.0
SwissProt ID	O75379.The antiserum was produced against synthesized peptide derived from human VAMP4. AA range:1-50

Application

Dilution Ratio	IF 1:200-1:1000. ELISA: 1:10000.
Molecular Weight	

Background

Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a

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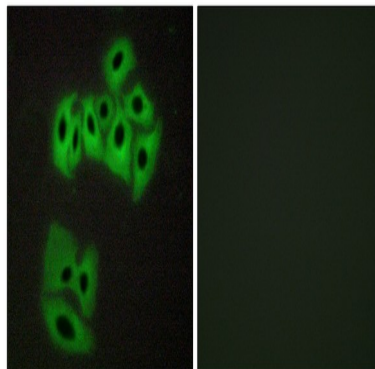


protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport. [provided by RefSeq, Jul 2008],function:Involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. May be a marker for this sorting pathway that is critical for remodeling the secretory response of granule.,similarity:Belongs to the synaptobrevin family.,similarity:Contains 1 v-SNARE coiled-coil homology domain.,subcellular location:Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles.,subunit:Identified in a complex containing STX6, STX13, VAMP4 and VTI1A.,

Research Area

SNARE interactions in vesicular transport;

Image Data



Immunofluorescence analysis of A549 cells, using VAMP4 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.