



VAMP4 mouse mAb

Catalog No	YP-mAb-12557
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	VAMP4
Immunogen	Synthesized peptide derived from human VAMP4
Specificity	This antibody detects endogenous levels of VAMP4 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.47% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	VAMP-4;Vesicle-associated membrane protein 4;VAMP4;Vesicle-associated membrane protein 4 (VAMP-4)
Observed Band	18 kDa
Calculated Molecular Weight	16 kDa
Cell Pathway	Golgi apparatus, trans-Golgi network membrane ; Single-pass type IV membrane protein . Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles.
Tissue Specificity	B-cell,Bone marrow,Epithelium,Liver,Urinary bladder,
Function	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 VT11A.,

**Background**

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

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images