



VAMP4 rabbit pAb

Catalog No	BYab-12557
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	VAMP4
Protein 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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Vesicle-associated membrane protein 4 (VAMP-4)
Observed Band	17kD
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 VTI1A.,

Nanjing BYabscience technology Co.,Ltd



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.

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