



VAMP4 (Phospho-Ser30) rabbit pAb

Catalog No	YP-Ab-10550
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	VAMP4
Immunogen	Synthesized peptide derived from human VAMP4 (Phospho-Ser30)
Specificity	This antibody detects endogenous levels of VAMP4 (Phospho-Ser30) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.206% 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	VAMP-4;Vesicle-associated membrane protein 4;VAMP4;VAMP4 (Phospho-Ser30);Vesicle-associated membrane protein 4 (VAMP-4)
Observed Band	17kD
Calculated Molecular Weight	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.,

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],

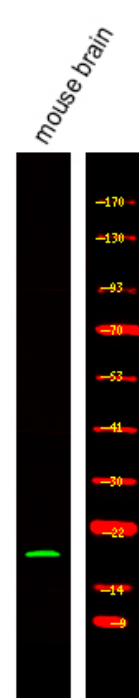
matters needing attention

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



Western Blot analysis of various, using primary antibody at 1:1000 dilution. Secondary antibody (catalog#: RS23920) was diluted at 1:10000