



# VAMP4 rabbit pAb

<b>Catalog No</b>	YP-Ab-12557
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB
<b>Gene Name</b>	VAMP4
<b>Protein Name</b>	VAMP4
<b>Immunogen</b>	Synthesized peptide derived from human VAMP4
<b>Specificity</b>	This antibody detects endogenous levels of VAMP4 at Human, Mouse, Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.47% sodium azide.
<b>Source</b>	Polyclonal, Rabbit, IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Vesicle-associated membrane protein 4 (VAMP-4)
<b>Observed Band</b>	17kD
<b>Cell Pathway</b>	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.
<b>Tissue Specificity</b>	B-cell, Bone marrow, Epithelium, Liver, Urinary bladder,
<b>Function</b>	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.,
<b>Background</b>	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