

**VAMP1+VAMP2+VAMP3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54261****Specification****VAMP1+VAMP2+VAMP3 Polyclonal Antibody - Product Information**

Application	WB, IHC-F, IF, ICC, E
Primary Accession	<a href="#">P23763</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13/11 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VAMP-1+2+3
Epitope Specificity	21-118/118
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome. Isoform 2: Cytoplasmic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome. Isoform 3: Mitochondrion outer membrane; Single-pass type IV membrane protein. Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain.
SIMILARITY	Interacts with VAPA and VAPB.
SUBUNIT	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Important Note	

**Background Descriptions**

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. VAMP1 is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Multiple alternative splice variants that encode proteins with alternative carboxy ends have been described, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008].

**VAMP1+VAMP2+VAMP3 Polyclonal Antibody - Additional Information****Gene ID 6843**

**Other Names**

Vesicle-associated membrane protein 1, VAMP-1, Synaptobrevin-1, VAMP1, SYB1

**Target/Specificity**

Nervous system, skeletal muscle and adipose tissue.

**Dilution**

WB~~1:1000  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A  
E~~N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**VAMP1+VAMP2+VAMP3 Polyclonal Antibody - Protein Information**

**Name** VAMP1

**Synonyms** SYB1

**Function**

Involved in the targeting and/or fusion of transport vesicles to their target membrane.

**Cellular Location**

[Isoform 1]: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Synapse, synaptosome [Isoform 3]: Mitochondrion outer membrane; Single-pass type IV membrane protein

**Tissue Location**

Nervous system, skeletal muscle and adipose tissue.

**VAMP1+VAMP2+VAMP3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**VAMP1+VAMP2+VAMP3 Polyclonal Antibody - Images**