

# 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** P23763

Reactivity Rat, Pig, Dog, Bovine Host **Rabbit** Clonality **Polyclonal** 13/11 KDa Calculated MW

**Physical State** Liquid

Immunogen KLH conjugated synthetic peptide derived

from human VAMP-1+2+3

**Epitope Specificity** 21-118/118

**Purity** 

affinity purified by Protein A

0.01M TBS (pH7.4) with 1% BSA, 0.02% Buffer

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. **SIMILARITY** Belongs to the synaptobrevin family.

Contains 1 v-SNARE coiled-coil homology

domain.

**SUBUNIT** Interacts with VAPA and VAPB.

This product as supplied is intended for Important Note research use only, not for use in human.

therapeutic or diagnostic applications.

### **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

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<span class ="dilution_WB">WB~~1:1000</span><br \><span class
="dilution_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution_IF">IF~~1:50~200</span><br \><span class ="dilution_ICC">ICC~~N/A</span><br \><span class ="dilution_E">E~~N/A</span>
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## **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 Cytomety
- Cell Culture

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