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VAMP1+VAMP2+VAMP3 Rabbit pAb

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Catalog # AP54261

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P23763
Predicted	Human, Mouse, Rat, Chicken, Dog, Pig, Horse, Rabbit, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12902
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
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.
SIMILARITY	Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain.
SUBUNIT	Interacts with VAPA and VAPB.
Important Note	This product as supplied is intended for 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].

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	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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.

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.

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. 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].