Datasheet for ABIN351358

anti-VAMP2 antibody (AA 10-60)

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Overview

Quantity:	500 µg
Target:	VAMP2
Binding Specificity:	AA 10-60
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from AA 10-60 of human VAMP2 conjugated to blue carrier protein was used as the antigen. The VAMP2 peptide shares 93% shared identity with VAMP1. The peptide is homologous in many other species including rat, mouse and xenopus.
Isotype:	IgG
Specificity:	Specific for VAMP2 and VAMP1.
Cross-Reactivity:	Human, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	VAMP2
Alternative Name:	VAMP 2 (VAMP2 Products)
Background:	The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. 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. This gene is thought to participate in neurotransmitter release at a step between docking and fusion. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and synaptotagmin. It also forms a distinct complex with synaptophysin. It is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG. FUNCTION: Involved in the targeting and/or fusion of transport vesicles to their target membrane. SUBCELLULAR LOCATION: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane, Single-pass type IV membrane protein. Cell junction, synapse, synaptosome. Note: Neuronal synaptic vesicles.,Vesicle Transport,VAMP-2, Synaptobrevin-2, VAMP2, SYB2. VAMP1, Synaptobrevin-1
UniProt:	P63027
Pathways:	Peptide Hormone Metabolism, Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

Application Details

Application Notes:	IHC, WB. A working concentration of 10-50 µg,ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Handling

Expiry Date:	12 months

