

For Research Use Only

VAMP2 Polyclonal antibody

Catalog Number: 30001-0-AP **4 Publications**



Basic Information

Catalog Number: 30001-0-AP	GenBank Accession Number: NM_014232	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6844	Recommended Dilutions: WB 1:1000-1:4000
Source: Goat	Full Name: vesicle-associated membrane protein 2 (synaptobrevin 2)	
Isotype: IgG	Calculated MW: 13 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Mouse brain tissue ,
Cited Applications: ELISA, WB	
Species Specificity: human	
Cited Species: human	

Background Information

VAMP2 (vesicle-associated membrane protein 2), also named as synaptobrevin 2, is a member of the SNARE (soluble NSF-attachment protein receptor) family of proteins. Characterized by a common sequence called the SNARE motif, SNARE proteins are involved in membrane fusion and vesicular transport (PMID: 11252968). VAMP2 consists of a short N-terminal sequence, a SNARE motif, and a C-terminal transmembrane region. It is required for fast calcium-triggered synaptic vesicle fusion. VAMP2 forms a stable complex with STX1 (syntaxin 1) and SNAP25 (synaptosomal-associated protein 25) during synaptic vesicle fusion (PMID: 16793874). It also forms a distinct complex with synaptophysin. VAMP2 is expressed in nervous system and some non-neuronal tissues, such as skeletal muscle (PMID: 18570252).

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Guo	37566176	Mol Neurobiol	WB
Shi Xuerong X	19681043	J Cell Biochem	ELISA
Shi Xuerong X	19492407	J Cell Biochem	ELISA

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data