

For Research Use Only

# VAMP2 Polyclonal antibody

Catalog Number: 30001-O-AP

4 Publications



## Basic Information

### Catalog Number:

30001-O-AP

### Size:

150ul , Concentration: 400 µg/ml by Bradford method using BSA as the standard;

### Source:

Goat

### Isotype:

IgG

### GenBank Accession Number:

NM\_014232

### GeneID (NCBI):

6844

### UNIPROT ID:

P63027

### Full Name:

vesicle-associated membrane protein 2 (synaptobrevin 2)

### Calculated MW:

13 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, ELISA

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB : Mouse brain tissue ,

## 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:

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