

## VAMP2 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4244
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human VAMP2 (AA: 2-89aa) expressed in E. Coli.
<b>Mol wt</b>	12.7kDa
<b>Species reactivity</b>	Human,Mouse,Monkey,Rat
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	SYB2;VAMP-2;NEDHAHM

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

### Recommended Dilution

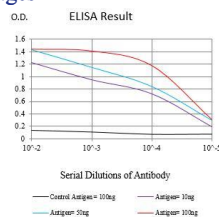
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

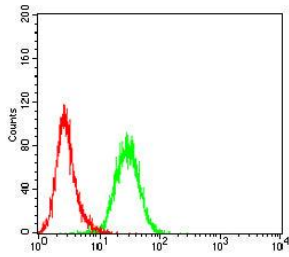
ELISA: 1:10000

Not yet tested in other applications.

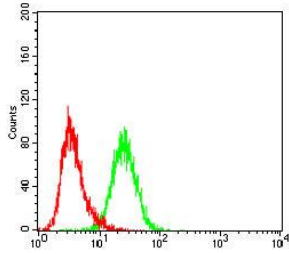
### Images



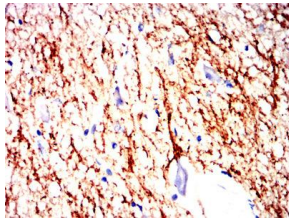
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



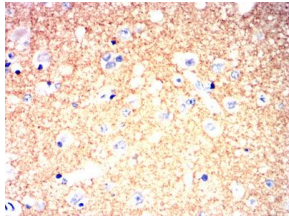
Flow cytometric analysis of HeLa cells using VAMP2 mouse mAb (green) and negative control (red).



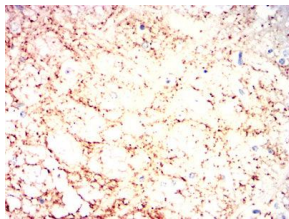
Flow cytometric analysis of COS-7 cells using VAMP2 mouse mAb (green) and negative control (red).



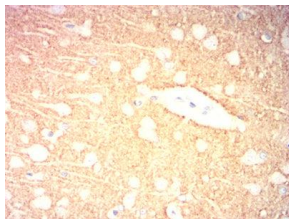
Immunohistochemical analysis of paraffin-embedded Medulla oblongata tissues using VAMP2 mouse mAb with DAB staining.



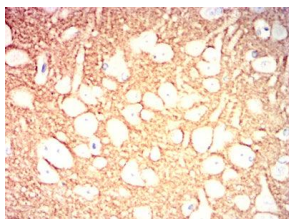
Immunohistochemical analysis of paraffin-embedded Brain tissues using VAMP2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse cerebellum tissues using VAMP2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat brain tissues using VAMP2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit brain tissues using VAMP2 mouse mAb with DAB staining.

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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