

## Anti-VAMP2 antibody

<b>Cat. No.</b>	ml162474
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-VAMP2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human VAMP2
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.3 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	VAMP2
<b>Full name</b>	vesicle-associated membrane protein 2 (synaptobrevin 2)
<b>Synonyms</b>	SYB2; VAMP-2
<b>Swissprot</b>	P63027

### Target 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.

订购热线: 4008-898-798

## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

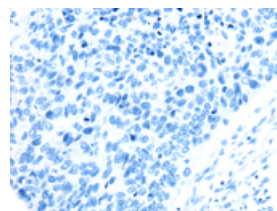
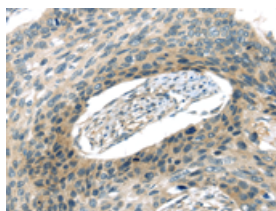
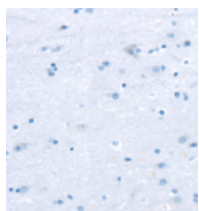
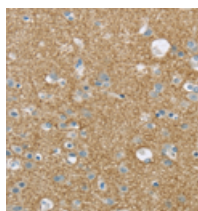
Positive control: Human brain

Recommended dilution: 25-100

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml162474(VAMP2 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml162474(VAMP2 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 13 kDa

Positive control: Human fetal brain and Mouse brain tissue, Hela cells

Recommended dilution: 500-2000

Gel: 12% SDS-PAGE

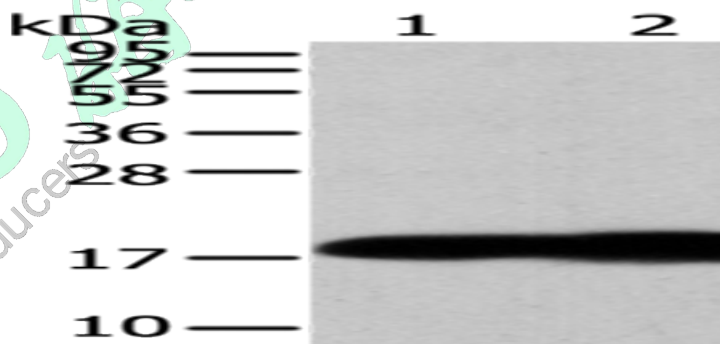
Lysate: 40  $\mu$ g

Lane 1-3: Human fetal brain tissue, Mouse brain tissue, Hela cells

Primary antibody: ml162474(VAMP2 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 seconds



### ELISA

Recommended dilution: 2000-5000

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