



# VAMP-1/2/3 Monoclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-mAb-00753                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>                   | VAMP1/VAMP2/VAMP3                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human VAMP-1/2/3. AA range:21-70                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>                 | VAMP-1/2/3 Monoclonal Antibody detects endogenous levels of VAMP-1/2/3 protein.                                                                                                                                                                                                                                                                                              |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                         |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                    | Vesicle-associated membrane protein 1;VAMP-1;VAMP 1;Synaptobrevin-1; Synaptobrevin 1;VAMP-1/2/3;VAMP1/VAMP2/VAMP3;Vesicle-associated membrane protein 1/2/3;VAMP1;SYB1;VAMP2;SYB2;Vesicle-associated membrane protein 2;VAMP-2;Synaptobrevin-2;VAMP3;SYB3;Vesicle-associated membrane protein 3;VAMP-3;Cellubrevin;CEB;Synaptob                                              |
| <b>Observed Band</b>               | 13kD                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Calculated Molecular Weight</b> | 13kD                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cell Pathway</b>                | [Isoform 1]: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Single-pass type IV membrane protein . Cell junction, synapse, synaptosome . ; [Isoform 2]: Cytoplasmic vesicle membrane ; Single-pass type IV membrane protein . Cell junction, synapse, synaptosome . ; [Isoform 3]: Mitochondrion outer membrane; Single-pass type IV membrane protein . |
| <b>Tissue Specificity</b>          | Nervous system, skeletal muscle and adipose tissue.                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>                    | function:Involved in the targeting and/or fusion of transport vesicles to their target membrane.,similarity:Belongs to the synaptobrevin family., similarity:Contains 1 v-SNARE coiled-coil homology domain.,subunit:Interacts with VAPA and VAPB.,tissue specificity:Nervous system, skeletal muscle and                                                                    |



adipose tissue.,

#### Background

Synaptobrevins, syntaxins, and the 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. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Mutations in this gene are associated with autosomal dominant spastic ataxia 1. Multiple alternative splice variants have been described, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2014],

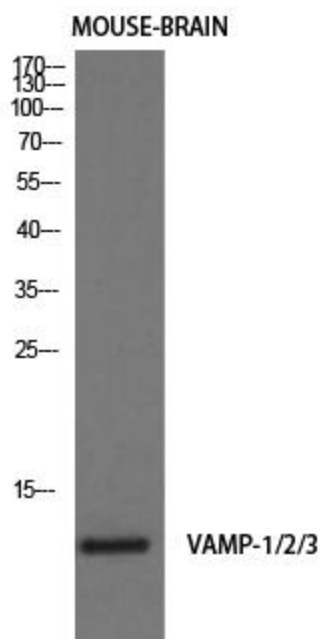
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western Blot analysis of various cells using VAMP-1/2/3 Monoclonal Antibody