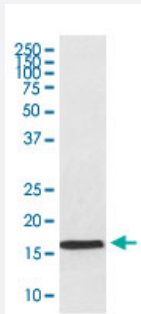


VAMP2 monoclonal antibody, clone AAEG-22

Catalog # MAB20836 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot (Tissue lysate) analysis of mouse brain lysate.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human VAMP2.

Immunogen A synthetic peptide corresponding to human VAMP2.

Host Rabbit

Reactivity Human, Mouse, Rat

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Flow Cytometry (1:50)
- Immunoprecipitation (1:50)
- Immunocytochemistry (1:50-200)
- Immunofluorescence (1:50-200)
- Western Blot (1:1000-5000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — VAMP2

Entrez GeneID[6844](#)**Protein Accession#**[P63027](#)**Gene Name**

VAMP2

Gene Alias

FLJ11460, SYB2, VAMP-2

Gene Description

vesicle-associated membrane protein 2 (synaptobrevin 2)

Omim ID[185881](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

synaptobrevin 2|vesicle associated membrane protein 2

Pathway

- [SNARE interactions in vesicular transport](#)

Disease

- [Alzheimer disease](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)