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Datasheet for ABIN7466828  
**anti-VAMP2 antibody**

### Overview

Quantity:	100 µL
Target:	VAMP2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	Full length human VAMP2 Recombinant protein.
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	VAMP2
Alternative Name:	vesicle associated membrane protein 2 ( <a href="#">VAMP2 Products</a> )
Background:	Vesicle associated membrane protein 2 , SYB2 , VAMP-2, 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

## Target Details

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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]

Molecular Weight: 13 kDa

Gene ID: 6844

UniProt: [P63027](#)

Pathways: [Peptide Hormone Metabolism](#), [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

## Application Details

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Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: mouse brain , rat brain

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1.03 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.