

Datasheet for ABIN7539826
anti-VAMP2 antibody (AA 2-89)



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Overview

Quantity:	100 µL
Target:	VAMP2
Binding Specificity:	AA 2-89
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAMP2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	VAMP2 Antibody
Immunogen:	Purified recombinant fragment of human VAMP2 (AA: 2-89aa) expressed in E. Coli.
Clone:	5A2C7
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	VAMP2
Alternative Name:	VAMP2 (VAMP2 Products)
Background:	Description: The protein encoded by this gene is a member of the vesicle-associated

Target Details

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.

Aliases: SYB2, VAMP-2, NEDHAHM

Molecular Weight: 12.7 kDa

Gene ID: 6844

UniProt: [P63027](#)

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

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400

Restrictions: For Research Use only

Handling

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.