

Datasheet for ABIN7596091
anti-VAMP2 antibody (AA 1-89)



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Overview

Quantity:	100 µL
Target:	VAMP2
Binding Specificity:	AA 1-89
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAMP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Human VAMP-2 antibody
Immunogen:	Recombinant human Synaptobrevin 2 (1-89aa) purified from E. coli
Clone:	3E5
Isotype:	IgG1 kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	VAMP2
Alternative Name:	VAMP-2 (VAMP2 Products)
Background:	Synaptobrevin 2 (Vesicle-associated membrane, VAMP2), which is an 18 kDa integral

Target Details

membrane protein localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal tail. Synaptobrevin 2 is predominantly expressed in Langerhans islets and glomerular cells. The N-terminal domain of the protein forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25. This antibody recognizes specifically synaptobrevin 2, but it also shows a low affinity to synaptobrevin 1.

NCBI Accession: [NP_055047](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

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, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.