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# Datasheet for ABIN317061 anti-VAMP2 antibody (N-Term)

5 Images



#### Overview

Quantity:	50 μL
Target:	VAMP2
Binding Specificity:	AA 1-89, N-Term
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

# Product Details

Immunogen:	Recombinant Human Synaptobrevin 2 (1-89 aa) purified from E. coli.
Clone:	3-00E-005
Isotype:	lgG1
Specificity:	This antibody recognizes specifically Synaptobrevin 2, but it also shows a low affinity to Synaptobrevin 1. Detects a band of approximately 14 kDa in rat brain lysates.
Characteristics:	Synonyms: VAMP2, Vesicle-associated membrane protein 2, SYB2
Purification:	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

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## Target Details

Target:	VAMP2
Alternative Name:	VAMP-2 / Synaptobrevin-2 (VAMP2 Products)
Background:	Synaptobrevin 2 (Syb2) also known as vesicle associated membrane protein-2 (VAMP2) is a membrane protein that belongs to the v-SNARE family of proteins, and is an essential component in neurotransmitter exocytosis from the presynaptic membrane. It is expressed on the synaptic vesicle, where it is bound by synaptophysin. Synaptophysin targets the vesicle to the presynaptic membrane and releases Syb2, which forms a stable complex with syntaxin and SNAP-25 (both expressed on the target membrane). Nerve cell depolarization and influx of calcium leads to vesicle fusion and neurotransmitter release into the synapse.Synonyms: SYB2, VAMP2, Vesicle-associated membrane protein 2
Gene ID:	6844
UniProt:	P63027
Pathways:	Peptide Hormone Metabolism, Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

# Application Details

g/mL). This antibody was validated foruse in immunohistochemistry on a panel of 21 for fixed, paraffin-embedded (FFPE)human tissues after heat induced antigen retrieval in pH	Restrictions:	For Research Use only
g/mL). This antibody was validated foruse in immunohistochemistry on a panel of 21 for fixed, paraffin-embedded (FFPE)human tissues after heat induced antigen retrieval in pH citrate buffer. After incubationwith the primary antibody, slides were incubated with bioti secondary antibody,followed by alkaline phosphatase-streptavidin and chromogen.		Optimal dilutions are dependent on conditions and should be determined by the user.
g/mL). This antibody was validated foruse in immunohistochemistry on a panel of 21 for fixed, paraffin-embedded (FFPE)human tissues after heat induced antigen retrieval in pH citrate buffer. After incubationwith the primary antibody, slides were incubated with bioti		Other applications not tested.
g/mL). This antibody was validated foruse in immunohistochemistry on a panel of 21 for fixed, paraffin-embedded (FFPE)human tissues after heat induced antigen retrieval in pH		secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.
g/mL). This antibody was validated foruse in immunohistochemistry on a panel of 21 for		citrate buffer. After incubationwith the primary antibody, slides were incubated with biotinylated
		fixed, paraffin-embedded (FFPE)human tissues after heat induced antigen retrieval in pH 6.0
Application Notes: ELISA. Western blot (1/2,000-1/3,000). Immunohistochemistry on Paraffin Sections (10		g/mL). This antibody was validated foruse in immunohistochemistry on a panel of 21 formalin-
	Application Notes:	ELISA. Western blot (1/2,000-1/3,000). Immunohistochemistry on Paraffin Sections (10 $\mu$

## Handling

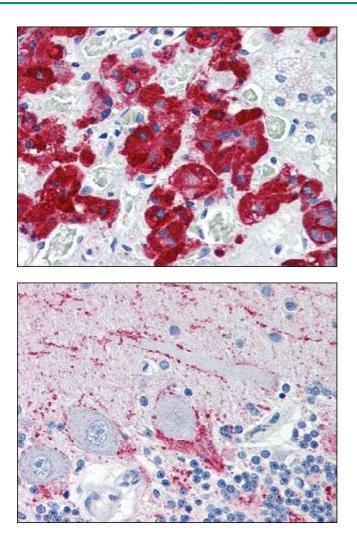
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Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.4, containing 0.09 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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# Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months

### Images



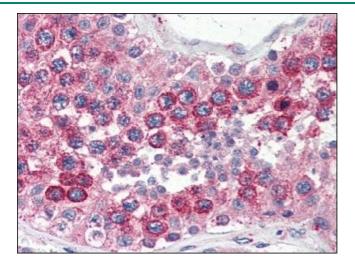
#### Immunohistochemistry

Image 1.

#### Immunohistochemistry

Image 2.

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Immunohistochemistry

Image 3.

Please check the product details page for more images. Overall 5 images are available for ABIN317061.

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