

Datasheet for ABIN782443
anti-VAMP1 antibody



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1 Image

Overview

Quantity:	0.1 mL
Target:	VAMP1
Reactivity:	Human, Rat, Mouse, Cow, Rabbit, Pig, Hamster
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAMP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Synaptic immunoprecipitate (crude) from Human brain.
Clone:	SP10
Isotype:	IgM
Specificity:	The antibody is specific for the ~16 kDa synaptobrevin protein in Western blots of rat brain lysate.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Pig, Hamster, Rat, Rabbit, Mouse, and Bovine. Also reacts to: VAMP2
Purification:	Affinity Chromatography.

Target Details

Target:	VAMP1
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Target Details

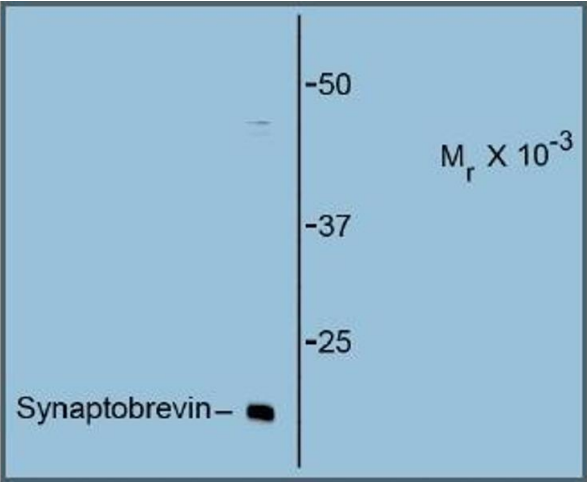
Alternative Name:	VAMP-1 / Synaptobrevin-1 (VAMP1 Products)
Background:	Synaptobrevin (aka VAMP) is an integral membrane protein of synaptic vesicles that plays a major role in the formation of larger SNARE complexes, along with SNAP-25 and syntaxin. Synaptobrevin has been shown to be essential for two fast synapse-specific membrane trafficking processes: fast exocytosis for neurotransmitter release and fast endocytosis that mediates rapid recycling of synaptic vesicles (Deak et al., 2004). Decreased levels of synaptobrevin in human hippocampus and cortex have been correlated with cognitive defects in Alzheimer's disease (Sze et al., 2000).Synonyms: SYB1, VAMP1, Vesicle-associated membrane protein 1
Gene ID:	6843
NCBI Accession:	NP_055046
UniProt:	P23763

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA and 50 % Glycerol.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at -20 °C.



Western Blotting

Image 1.