Datasheet for ABIN6656054

anti-Synaptobrevin (VAMP) antibody

1 Image

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Overview

Quantity:	100 µL
Target:	Synaptobrevin (VAMP)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Anti-Synaptobrevin (VAMP) Monoclonal Antibody was produced in mouse by repeated immunizations with synaptic immunoprecipitate (crude) from human brain. Immunogen Type: Native Protein
Clone:	SP10
Isotype:	IgM
Cross-Reactivity:	Cow (Bovine), Hamster, Human, Mouse (Murine), Pig (Porcine), Rabbit, Rat (Rattus)
Purification:	Anti-Synaptobrevin (VAMP) Antibody is directed against human synaptobrevin. Anti-Synaptobrevin IgM was purified by chromatography. Reactivity is expected against bovine, mouse, pig, rat, rabbit and hamster.

Target Details

Target:	Synaptobrevin (VAMP)

Target Details

Abstract:	VAMP Products
Background:	Synonyms: Vesicle-associated membrane protein 1 Background: Synaptobrevin (also 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. Decreased levels of synaptobrevin in human hippocampus and cortex have been correlated with cognitive defects in Alzheimer's disease. Gene Name: VAMP1/2
Gene ID:	6843
UniProt:	P23763
Pathways:	Tube Formation, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:100 Application Note: Anti-Synaptobrevin antibody is suitable for use in Western Blotting and IHC. Expect a band of approximately 16 kDa in size corresponding to the VAMP proteins in Western blot of rat brain lysate. Anti-Synaptobrevin antibody has also been demonstrated to work in immunohistochemistry on formalin fixed, vibratome sections, but does not work on paraffin sections. Specific conditions for reactivity should be optimized by the end user. Researchers should determine optimal titers for applications that are not stated below. Western Blot Dilution: 1:1000
Restrictions:	For Research Use only

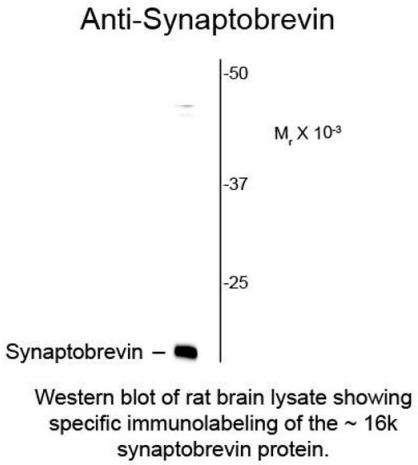
Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5 Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and

Handling

thawing. Dilute only prior to immediate use.

Images



Western blot of rat brain lysate showing specific immunolabeling of the ~ 16k synaptobrevin protein.

Western Blotting

Image 1. Western blot of Anti-Synaptobrevin (VAMP) (Mouse) Antibody - 200-301-E34 Western Blot of Mouse anti-Synaptobrevin (VAMP) antibody. Lane 1: Rat Brain Lysate. Lane 2: None. Load: 10 µg per lane. Primary antibody: Synaptobrevin (VAMP) antibody at 1:1,000 for overnight at 4°C. Secondary antibody: mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 16 kDa for Synaptobrevin (VAMP). Other band(s): none.