

Datasheet for 200-301-E34**Synaptobrevin (VAMP) Antibody****Overview**

Description:	Anti-Synaptobrevin (VAMP) (MOUSE) Monoclonal Antibody - 200-301-E34
Item No.:	200-301-E34
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat, Bovine, Hamster, Pig, Rabbit
Host Species:	Mouse

Product Details

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.
Synonyms:	SYB1, Synaptobrevin, vesicle associated membrane protein, Vesicle-associated membrane protein 1, VAMP-1, Synaptobrevin-1, VAMP1, Vesicle-associated membrane protein 2, VAMP-2, Synaptobrevin-2, VAMP2, SYB2
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	SP10
Format:	IgM

Target Details

Gene Name:	VAMP1/2
Reactivity:	Human, Mouse, Rat, Bovine, Hamster, Pig, Rabbit
Immunogen Type:	Native Protein

Immunogen:	Anti-Synaptobrevin (VAMP) Monoclonal Antibody was produced in mouse by repeated immunizations with synaptic immunoprecipitate (crude) from human brain.
Purity/Specificity:	Anti-Synaptobrevin (VAMP) Antibody is directed against human synaptobrevin. Anti-Synaptobrevin was IgM purified by chromatography from cell culture supernatant. Reactivity is expected against bovine, mouse, pig, rat, rabbit and hamster.
Relevant Links:	• UniProtKB - P63027 • UniProtKB - P23763 • GeneID - 6843 • NCBI - AAH23286.1

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Synaptobrevin antibody has been tested 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IHC:	1:100
WB:	1:1000

Formulation

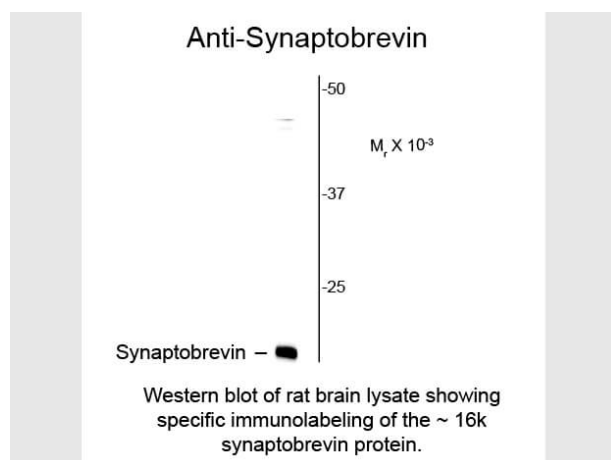
Physical State:	Liquid
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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 thawing. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

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: IRDye800™ 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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.