

ARG52433 anti-Synaptobrevin antibody [SP10]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SP10] recognizes Synaptobrevin
Tested Reactivity	Hu, Ms, Rat, Bov, Hm, Pig, Rb
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	SP10
Isotype	IgM
Target Name	Synaptobrevin
Species	Human
Immunogen	Synaptic immunoprecipitate (crude) from human brain
Conjugation	Un-conjugated
Alternate Names	Vesicle-associated membrane protein 1; Synaptobrevin-1; SYB1; VAMP-1; SPAX1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100
	WB	1:1000

Application Note The antibody is specific for the ~16kDa synaptobrevin protein in Western blots of Rat brain lysate. The antibody has also been demonstrated to work in immunohistochemistry on formalin fixed, vibratome sections, but does not work on paraffin sections.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

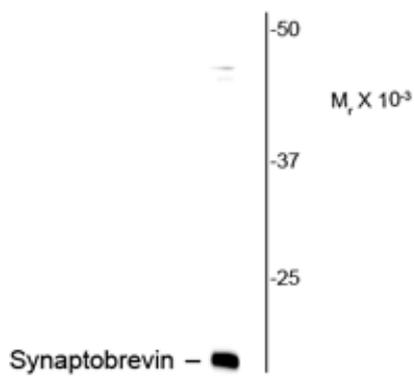
Properties

Form	Liquid
Purification	IgM Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	VAMP1/2
Gene Full Name	vesicle-associated membrane protein 1 (synaptobrevin 1)
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).
Research Area	Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	13 kDa

Images



ARG52433 anti-Synaptobrevin antibody [SP10] WB image

Western blot: Rat brain lysate showing specific immunolabeling of the ~ 16k synaptobrevin protein stained with ARG52433 anti-Synaptobrevin antibody [SP10].