

Datasheet for ABIN6658254

anti-Synaptojanin 1 antibody (C-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	Synaptojanin 1 (SYNJ1)
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Synaptojanin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Synaptojanin 1 Antibody
Immunogen:	Anti-Synaptojanin 1 Monoclonal Antibody was produced in mouse by repeated immunizations with recombinant protein from the C-terminal region of rat synaptojanin 1.
Clone:	5H1
Isotype:	IgG1
Cross-Reactivity (Details):	Anti-Synaptojanin 1 Monoclonal Antibody is directed against rat synaptojanin 1
Purification:	.Synaptojanin 1 antibody was Protein G purified from cell culture supernatant.

Target Details

Target:	Synaptojanin 1 (SYNJ1)
---------	------------------------

Target Details

Alternative Name:	Synaptojanin 1 (SYNJ1 Products)
Background:	<p>Synonyms: mouse anti-Synaptojanin 1 Antibody, Synaptic inositol-1,4,5-trisphosphate 5-phosphatase 1</p> <p>Background: Synaptojanin 1 Monoclonal Antibody detects Synaptojanin 1, which is a phosphatidylinositol phosphatase involved in clathrin-mediated endocytosis of synaptic vesicles. Synaptojanin 1 has two alternatively spliced isoforms, one that is ~ 145 kDa and is exclusively expressed in neurons, and the other ~ 170 kDa which is expressed in non-neuronal, peripheral tissues. The gene which encodes Synaptojanin 1, SYNJ1, has been mapped to chromosome 21 thus making it a candidate for involvement in Down's syndrome (DS). It has recently been demonstrated that Ts65Dn mice (the most commonly used model of DS) have altered phosphatidylinositol-4,5-bisphosphate metabolism. This defect is rescued by restoring SYNJ1 to disomy in the Ts65Dn mice.</p> <p>Gene Name: SYNJ1</p>
Gene ID:	85238
UniProt:	Q62910
Pathways:	Inositol Metabolic Process , Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Immunohistochemistry_Dilution: 1:1000 Western_Blot_Dilution: 1:1000
Comment:	Anti-Synaptojanin 1 antibody is tested for use in Western Blotting and IHC. Expect a band of approximately 145 kDa in size corresponding to synaptojanin I proteins of rat brain extracts. Researchers should determine optimal titers for applications that are not stated below.
Restrictions:	For Research Use only

Handling

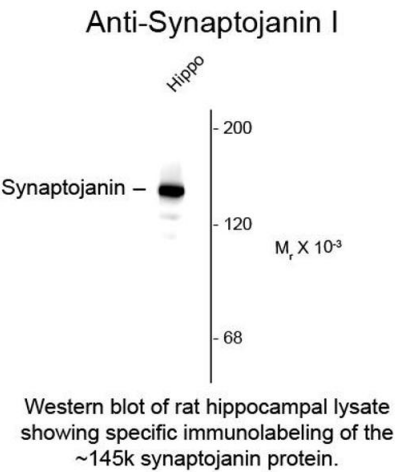
Format:	Liquid
Buffer:	Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5 Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid.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

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western blot of Anti-Synaptojanin 1 (Mouse) Antibody - 212-301-E35 Western Blot of Mouse anti-Synaptojanin 1 antibody. Lane 1: rat hippocampal lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: Synaptojanin 1 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: 145 kDa for Synaptojanin 1. Other band(s): none.