

# Anti-Synaptojanin 1 Antibody

Our Anti-Synaptojanin 1 primary antibody from PhosphoSolutions is mouse monoclonal. It detects rat S Catalog # AN1567

## Specification

## **Anti-Synaptojanin 1 Antibody - Product Information**

Application	WB
Primary Accession	<u>Q62910</u>
Reactivity	Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	lgG1
Calculated MW	172881

## Anti-Synaptojanin 1 Antibody - Additional Information

Gene ID

85238

**Other Names** 

4 antibody, 5-trisphosphate 5-phosphatase 1 antibody, Inositol 5' phosphatase (synaptojanin 1) antibody, Inositol 5' phosphatase antibody, INPP 5G antibody, INPP5G antibody, KIAA0910 antibody, PARK20 antibody, Polyphosphoinositide phosphatase antibody, Synaptic inositol 1 4 5 trisphosphate 5 phosphatase 1 antibody, Synaptic inositol 145 trisphosphate 5 phosphatase 1 antibody, Synaptic inositol-1 antibody, Synaptojanin 1 antibody, Synaptojanin

#### Target/Specificity

Synaptojanin is a phosphatidylinositol phosphatase involved in clathrin-mediated endocytosis of synaptic vesicles. Synaptojanin 1 has two alternatively spliced isoforms; one that is  $\sim$  145 kDA and is exclusively expressed in neurons, and the other  $\sim$  170 kDa which is expressed in non-neuronal, peripheral tissues (Ramjaun AR & McPherson PS, 1996). 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 (Voronov SV et al., 2008).

Dilution WB~~1:1000

## Format Protein G Purified

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

Anti-Synaptojanin 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



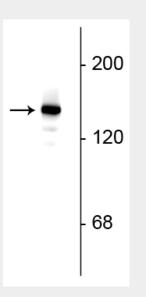
Shipping Blue Ice

# Anti-Synaptojanin 1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- <u>Flow Cytomety</u>
- <u>Cell Culture</u>

# Anti-Synaptojanin 1 Antibody - Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the  $\sim$ 145 kDa synaptojanin l protein.

## Anti-Synaptojanin 1 Antibody - Background

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