

# Anti-Synaptojanin 1 Antibody

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

Catalog # AN1567

## Product Information

Application	WB, IHC
Primary Accession	<a href="#">Q62910</a>
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	5H1
Calculated MW	172881

## 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 antibody, Synaptojanin 1 antibody, Synaptojanin 1 polyphosphoinositide phosphatase antibody, Synaptojanin-1 antibody, Synaptojanin1 antibody, Synj 1 antibody, Synj1 antibody, SYNJ1_HUMAN antibody

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 ~ 145 kDa and is exclusively expressed in neurons, and the other ~ 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- biphosphate metabolism. This defect is rescued by restoring SYNJ1 to disomy in the Ts65Dn mice (Voronov SV et al., 2008).
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Dilution	WB~~1:1000 IHC~~1:100~500
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

## Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.