

For Research Use Only

# SYNJ1 Polyclonal antibody, PBS Only

Catalog Number: 24677-1-PBS



## Basic Information

**Catalog Number:**

24677-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG20364

**GenBank Accession Number:**

BC136603

**GeneID (NCBI):**

8867

**UNIPROT ID:**

O43426

**Full Name:**

synaptojanin 1

**Calculated MW:**

1612 aa, 178 kDa

**Observed MW:**

140 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Synaptojanin 1, a polyphosphoinositide phosphatase, is expressed as two major alternatively spliced isoforms of 145 kDa (SJ145) and 170 kDa (SJ170), which are thought to have pleiotropic roles in endocytosis, signaling, and actin function. SJ145 is highly enriched in nerve terminals where it participates in clathrin-dependent synaptic vesicle recycling. SJ170, which differs from SJ145 by the presence of a carboxy-terminal extension, is the predominant isoform in developing neurons and is expressed in a variety of tissues (PMID:10801423).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

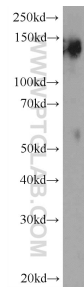
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

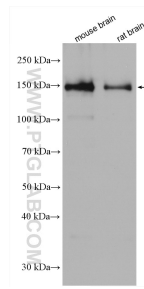
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

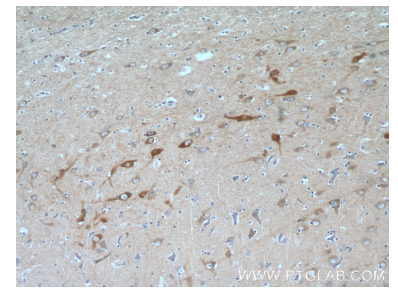
## Selected Validation Data



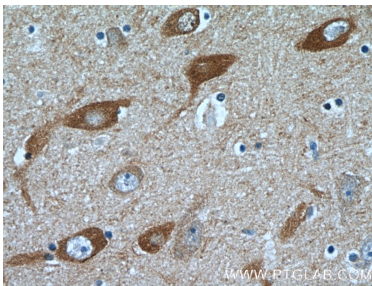
mouse brain tissue were subjected to SDS PAGE followed by western blot with 24677-1-AP (SYNJ1 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



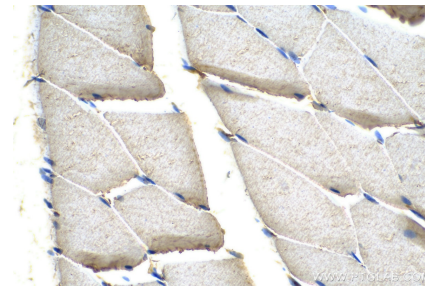
Various lysates were subjected to SDS PAGE followed by western blot with 24677-1-AP (SYNJ1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



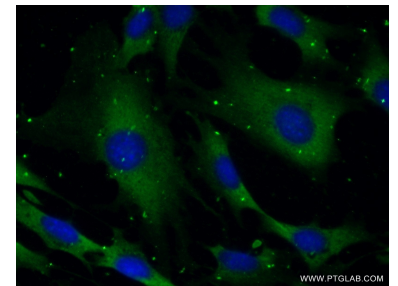
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24677-1-AP (SYNJ1 Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



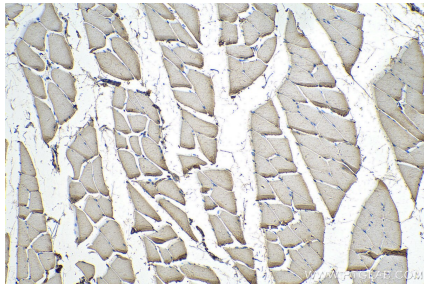
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 24677-1-AP (SYNJ1 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



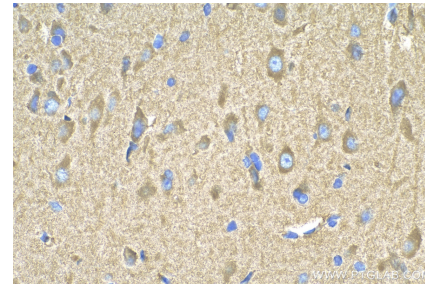
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 24677-1-AP (SYNJ1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



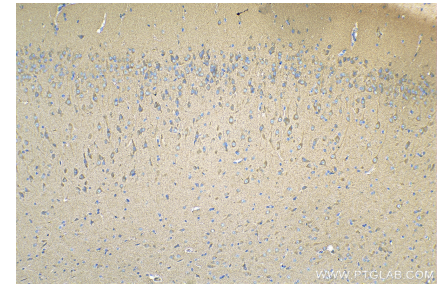
Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 24677-1-AP (SYNJ1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



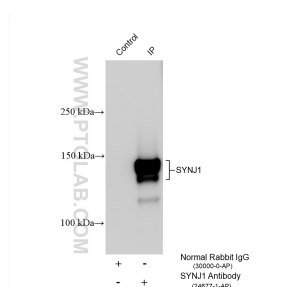
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 24677-1-AP (SYNJ1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 24677-1-AP (SYNJ1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 24677-1-AP (SYNJ1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24677-1-PBS in a different storage buffer formulation.



IP result of anti-SYNJ1 (IP:24677-1-AP, 4ug;  
Detection:24677-1-AP 1:5000) with mouse brain  
tissue lysate 1960 ug. This data was developed  
using the same antibody clone with 24677-1-PBS in  
a different storage buffer formulation.