For Research Use Only

SYNJ1 Recombinant monoclonal antibody

Catalog Number:87620-1-RR

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
87620-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16588

GenBank Accession Number:
BC136603

GeneID (NCBI):
8867

UNIPROT ID:
O43426

Full Name:
synaptojanin 1

Calculated MW:
1612 aa, 178 kDa

Observed MW:
120-150 kDa

Purification Method:
Protein A purification

CloneNo.:
253047H8

Recommended Dilutions:
WB: 1:5000-1:50000
IF/ICC: 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse brain tissue, 37°C incubated rat brain tissue

IF/ICC : NIH/3T3 cells,

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).

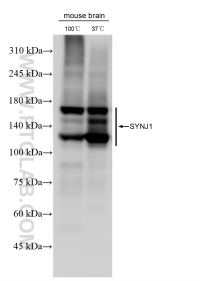
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

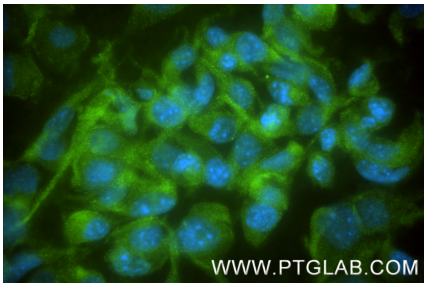
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

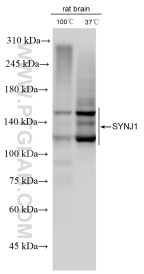
Selected Validation Data



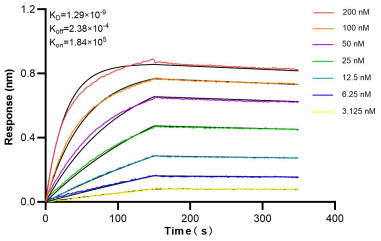
Various lysates were subjected to SDS PAGE followed by western blot with 87620-1-RR (SYNJ1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using SYNJ1 antibody (87620-1-RR, Clone: 253047H8) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Various lysates were subjected to SDS PAGE followed by western blot with 87620-1-RR (SYNJ1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87620-1-RR against Human SYNJ1 were performed. The affinity constant is 31.2 nM.