

For Research Use Only

SYNJ1 Recombinant monoclonal antibody

Catalog Number: 87620-3-RR



Basic Information

Catalog Number: 87620-3-RR	GenBank Accession Number: BC136603	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8867	CloneNo.: 253047B4
Source: Rabbit	UNIPROT ID: O43426	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: synaptojanin 1	
Immunogen Catalog Number: AG16588	Calculated MW: 1612 aa, 178 kDa	
	Observed MW: 120 kDa, 143 kDa, 173 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : 37°C incubated rat brain tissue, unboiled mouse brain tissue
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

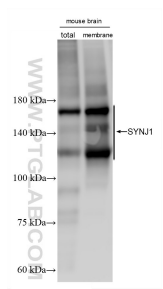
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

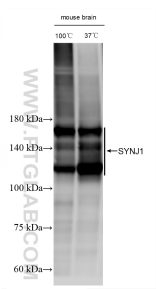
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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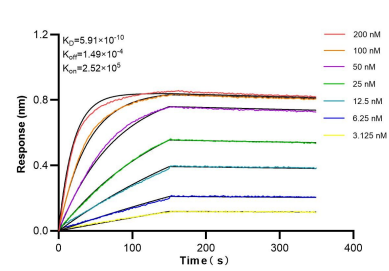
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87620-3-RR (SYNJ1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 87620-3-RR against Human SYNJ1 were performed. The affinity constant is 0.591 nM.