

For Research Use Only

NLGN3 Recombinant monoclonal antibody

Catalog Number:87774-2-RR



Basic Information

Catalog Number: 87774-2-RR	GenBank Accession Number: NM_181303	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54413	CloneNo.: 253199D2
Source: Rabbit	UNIPROT ID: Q9NZ94-1	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: neuroligin 3	
Immunogen Catalog Number: EG5477	Calculated MW: 94 kDa	
	Observed MW: 90 kDa, 110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, U-87 MG cells, rat brain tissue, U-251 cells, SH-SY5Y cells, fetal human brain tissue
Species Specificity: human, mouse, rat	

Background Information

Neuroligins (NLGNs) are cell adhesion molecules located on the postsynaptic side of the synapse that interact with their presynaptic partners neuroligins to maintain trans-synaptic connection. Three highly homologous neuroligins are abundantly expressed in rodent brain: NLGN1, NLGN2, NLGN3, while NLGN4 is less abundant in rodent brain and less evolutionarily conserved among all NLGNs isoforms. The literature indicates that significantly elevated basal levels of cross-linked NLGN3-positive dimers (sNLGN3, ~300 kDa) can be detected on the synaptic surface of ^{*}Fmr1[±] KO mice. And also Intracellular NLGN3 (iNLGN3 at about 120 kDa) level was increased in basal state Fmr1 KO synaptoneuroosomes (PMID: 30056576).

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

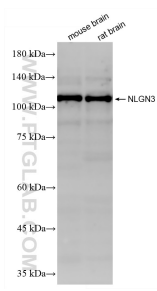
For technical support and original validation data for this product please contact:

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

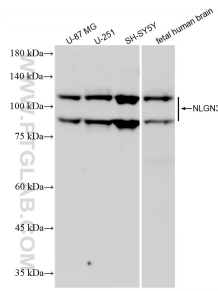
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87774-2-RR (NLGN3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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