

For Research Use Only

NLGN1 Monoclonal antibody, PBS Only

Catalog Number: 66964-1-PBS



Basic Information

Catalog Number: 66964-1-PBS	GenBank Accession Number: BC032555	Purification Method: Protein G purification
Concentration: 1 mg/ml	GeneID (NCBI): 22871	CloneNo.: 2D1A12
Source: Mouse	UNIPROT ID: Q8N2Q7	
Isotype: IgG1	Full Name: neuroligin 1	
Immunogen Catalog Number: AG6356	Calculated MW: 840 aa, 94 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat, pig, rabbit

Background Information

NLGN1, also named KIAA1070, belongs to the type-B carboxylesterase/lipase family. Neuroligin1 (NLGN1) is a main component of the excitatory glutamatergic synapses complex and plays a role in synapse assembly and function (PMID: 34340665). NLGN1 has 2 isoforms with the MV of 92 and 96 kDa. Sometimes higher molecular weight of around 116 kDa can also be observed, which is a glycosylated mature form of NLGN1 (PMID: 28841651).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

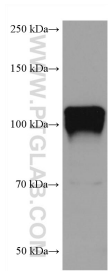
T: 4006900926

E: Proteintech-CN@ptglab.com

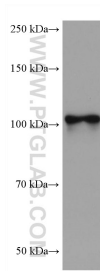
W: ptgcn.com

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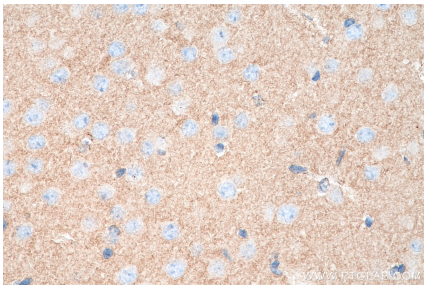
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 66964-1-Ig (NLGN1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66964-1-PBS in a different storage buffer formulation.



rat brain tissue were subjected to SDS PAGE followed by western blot with 66964-1-Ig (NLGN1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66964-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66964-1-Ig (NLGN1 antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66964-1-PBS in a different storage buffer formulation.