For Research Use Only

NLGN1 Monoclonal antibody, PBS Only

Catalog Number:66964-1-PBS

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Basic Information

Catalog Number:
66964-1-PBS

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

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG6356

GenBank Accession Number:
BC032555

GeneID (NCBI):
22871

UNIPROT ID:
Q8N2Q7

Full Name:
neuroligin 1

Calculated MW:
840 aa, 94 kDa

Observed MW:
116 kDa

Purification Method:
Protein A purification

CloneNo.:
2D1A12

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.
Storage Buffer:
PBS Only

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
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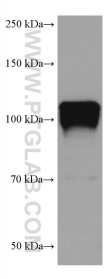
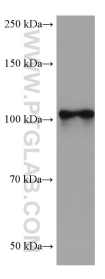
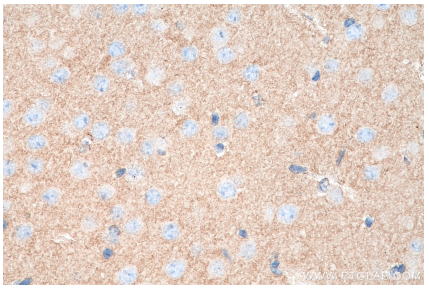
Selected Validation Data



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.