

## NLGN1 Monoclonal antibody

Catalog Number: 66964-1-Ig **7 Publications**

## Basic Information

Catalog Number:

66964-1-Ig

Size:

1500 µg/ml

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

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:750-1:3000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse, Rat, Pig, Rabbit

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

**WB** : mouse brain tissue, rat brain tissue, rabbit brain tissue, pig brain tissue, human brain tissue, pig cerebellum tissue, rat cerebellum tissue, mouse cerebellum tissue

**IHC** : mouse brain tissue,

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ji-Yuan Zhao	30049666	Neuroscience	WB
Xiaohong Wang	38704913	Phytomedicine	WB
Leon Tejawani	38016472	Neuron	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

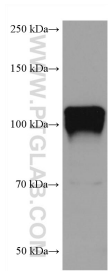
For technical support and original validation data for this product please contact:

T: 4006900926

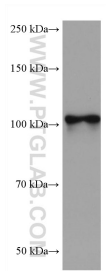
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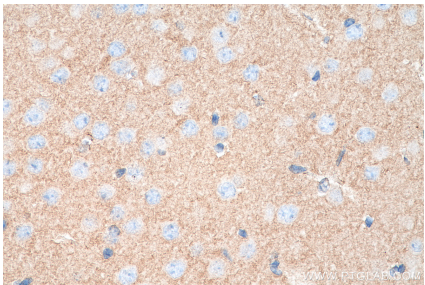
## Selected Validation Data



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.



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.



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).