

For Research Use Only

# NMDAR1/GRIN1 Polyclonal antibody

Catalog Number: 27676-1-AP

13 Publications



## Basic Information

Catalog Number:

27676-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26364

GenBank Accession Number:

NM\_000832

GeneID (NCBI):

2902

UNIPROT ID:

Q05586

Full Name:

glutamate receptor, ionotropic, N-methyl D-aspartate 1

Calculated MW:

105 kDa

Observed MW:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

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

IP : mouse brain tissue,

IHC : mouse cerebellum tissue, mouse brain tissue

IF-P : mouse brain tissue,

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengcheng Ma	36179027	Sci Adv	WB
Zhao-Hui Yao	33539323	Aging (Albany NY)	WB
Wenkai Wang	39716944	Adv Sci (Weinh)	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

\*\*\* 20ul sizes contain 0.1% BSA

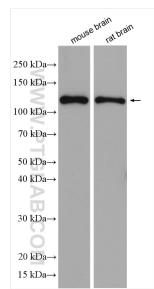
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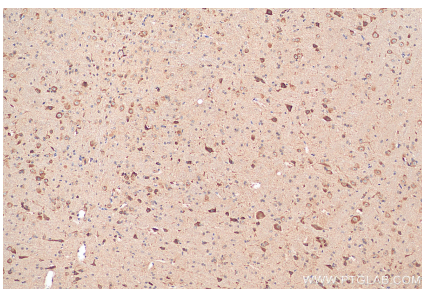
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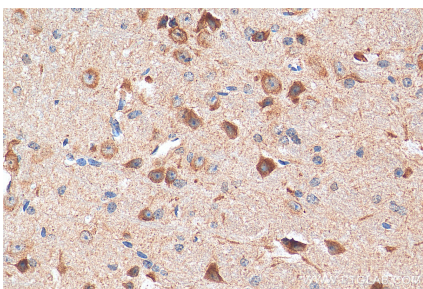
Selected Validation Data



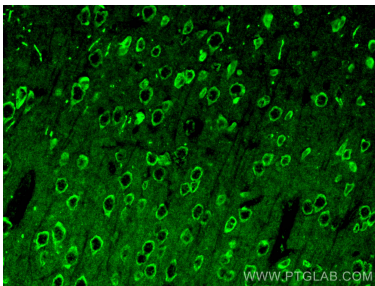
Various lysates were subjected to SDS PAGE followed by western blot with 27676-1-AP (NMDAR1/GRIN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



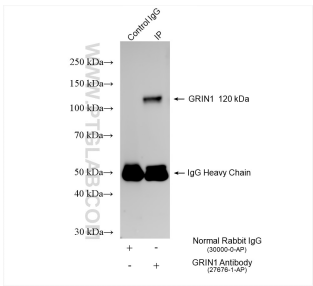
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 27676-1-AP (NMDAR1/GRIN1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 27676-1-AP (NMDAR1/GRIN1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using NMDAR1/GRIN1 antibody (27676-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-NMDAR1/GRIN1 (IP:27676-1-AP, 4ug; Detection:27676-1-AP 1:2000) with mouse brain tissue lysate 2100 ug.