

For Research Use Only

NMDAR2A/GRIN2A Polyclonal antibody

Catalog Number: 19953-1-AP

29 Publications



Basic Information

Catalog Number:

19953-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000833

GeneID (NCBI):

2903

UNIPROT ID:

Q12879

Full Name:

glutamate receptor, ionotropic, N-methyl D-aspartate 2A

Calculated MW:

165 kDa

Observed MW:

150-160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:200-1:800

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse

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,

IP : mouse brain tissue,

IHC : mouse brain tissue,

IF/ICC : Hela cells,

Background Information

GRIN2A, also named as NMDAR2A and NR2A, belongs to the glutamate-gated ion channel (TC 1.A.10) family. GRIN2A is NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation of GRIN2A requires binding of agonist to both types of subunits. The antibody recognize the C-term of GRIN2A.

Notable Publications

Author	Pubmed ID	Journal	Application
Pengcheng Ma	36179027	Sci Adv	WB
Xin Peng	34549339	J Mol Neurosci	WB
Yanke Zhang	27876882	Sci Rep	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:

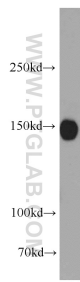
T: 4006900926

E: Proteintech-CN@ptglab.com

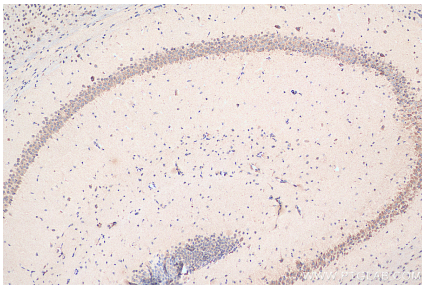
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

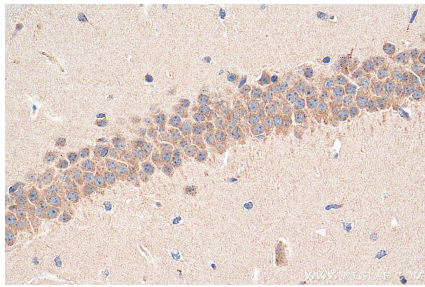
Selected Validation Data



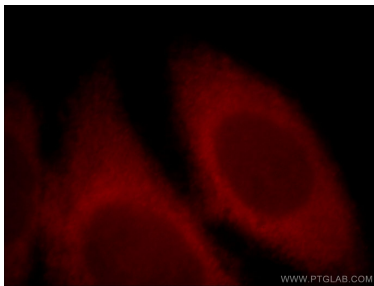
mouse brain tissue were subjected to SDS PAGE followed by western blot with 19953-1-AP (NMDAR2A/GRIN2A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



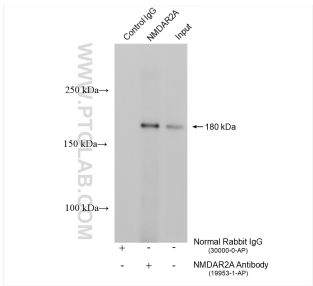
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19953-1-AP (NMDAR2A/GRIN2A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19953-1-AP (NMDAR2A/GRIN2A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells, using NMDAR2A/GRIN2A antibody 19953-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-NMDAR2A/GRIN2A (IP:19953-1-AP, 4ug; Detection:19953-1-AP 1:600) with mouse brain tissue lysate 1680 ug.