

For Research Use Only

# GRIA4 Polyclonal antibody

Catalog Number: 23350-1-AP

10 Publications



## Basic Information

### Catalog Number:

23350-1-AP

### Size:

150ul, Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19949

### GenBank Accession Number:

BC167786

### GeneID (NCBI):

2893

### Full Name:

glutamate receptor, ionotropic, AMPA 4

### Calculated MW:

902 aa, 101 kDa

### Observed MW:

101 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 1:20-1:200

## Applications

### Tested Applications:

FC, IHC, IP, WB, ELISA

### Cited Applications:

IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

**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**: rat brain tissue, mouse brain tissue, mouse cerebellum tissue

**IP**: mouse brain tissue,

**IHC**: mouse brain tissue,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Andrew E Arrant	33197149	Ann Clin Transl Neurol	WB
Dan Yao	35427874	J Psychiatr Res	WB
Qin Yang	30038264	Cell Death Dis	IP

## 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

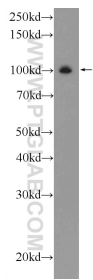
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

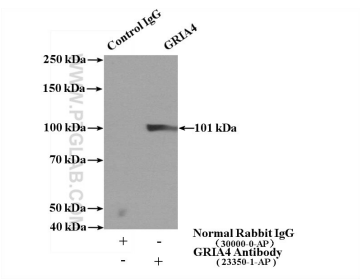
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

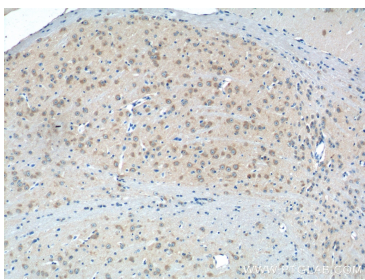
Selected Validation Data



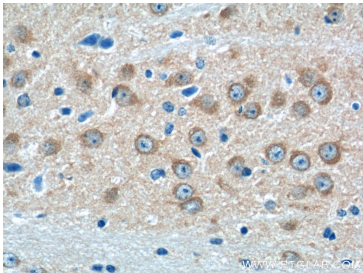
rat brain tissue were subjected to SDS PAGE followed by western blot with 23350-1-AP (GRIA4 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



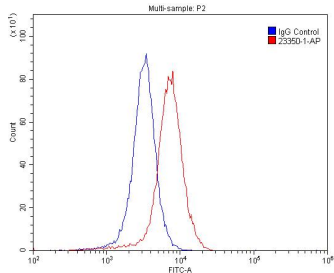
IP Result of anti-GRIA4 (IP:23350-1-AP, 4ug; Detection:23350-1-AP 1:300) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 23350-1-AP (GRIA4 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 23350-1-AP (GRIA4 Antibody) at dilution of 1:50 (under 40x lens).



1X10<sup>6</sup> SH-SY5Y cells were stained with 0.2ug GRIA4 antibody (23350-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.