

For Research Use Only

# GRIA4 Polyclonal antibody

Catalog Number: 23350-1-AP

10 Publications



## Basic Information

### Catalog Number:

23350-1-AP

### Size:

400 µg/ml

### 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

### Positive Controls:

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

**IP**: mouse brain tissue,

**IHC**: mouse brain tissue,

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

## 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

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

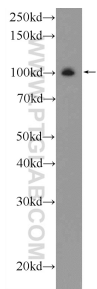
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

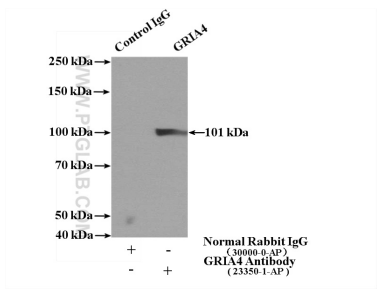
W: [ptgcn.com](http://ptgcn.com)

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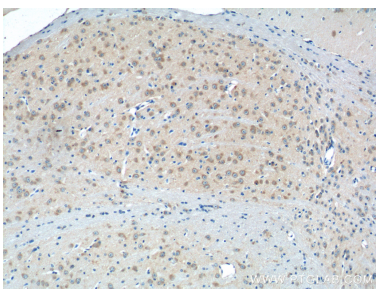
Selected Validation Data



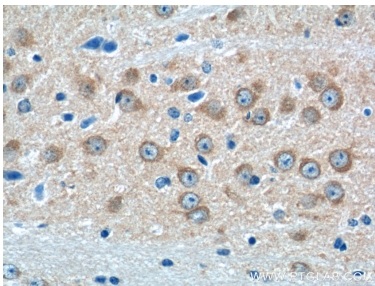
rat brain tissue were subjected to SDS PAGE followed by western blot with 23350-1-AP (GRIA4 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



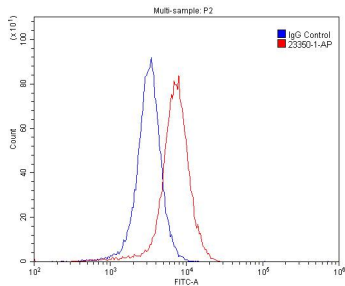
IP Result of anti-GRIA4 (IP:23350-1-AP, 4ug; Detection:23350-1-AP 1:300) with mouse brain tissue lysate 4000ug.



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.