

For Research Use Only

GRIA1 Monoclonal antibody

Catalog Number: 67642-1-Ig **18 Publications**



Basic Information

| | | |
|--|---|---|
| Catalog Number: 67642-1-Ig | GenBank Accession Number: BC111734 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 2890 | CloneNo.: 1F4A1 |
| Source: Mouse | UNIPROT ID: P42261 | Recommended Dilutions: WB: 1:20000-1:100000 IHC: 1:5000-1:20000 IF-P: 1:200-1:800 |
| Isotype: IgG2b | Full Name: glutamate receptor, ionotropic, AMPA 1 | |
| Immunogen Catalog Number: AG28932 | Calculated MW: 906 aa, 102 kDa | |
| | Observed MW: 100 kDa | |

Applications

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|--|--|
| Tested Applications: WB, IHC, IF-P, ELISA | Positive Controls: |
| Cited Applications: WB, IHC, IF, IP | WB : rat brain tissue, pig spinal cord tissue, pig cerebellum tissue, pig brain tissue, rat cerebellum tissue, mouse brain tissue, mouse cerebellum tissue, rabbit brain tissue |
| Species Specificity: Human, Pig, Mouse, Rat, Rabbit | IHC : mouse brain tissue, |
| Cited Species: human, mouse, rat | IF-P : 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 | |

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|-----------------|-------------|
| YuanYuan Hou | 34710402 | Exp Neurol | WB |
| Lei Wu | 33044778 | Phytother Res | WB |
| Dan Yao | 35427874 | J Psychiatr Res | WB |

Storage

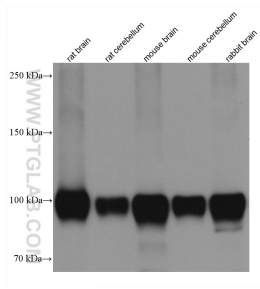
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

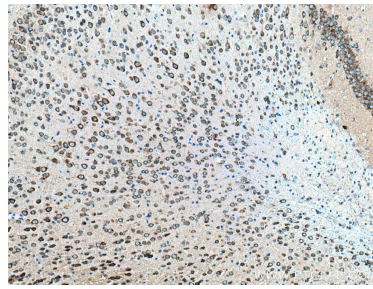
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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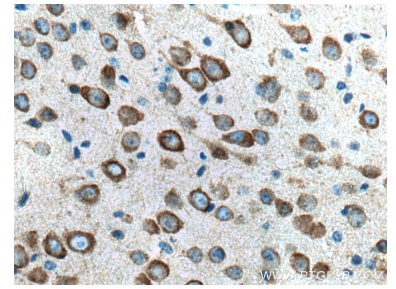
Selected Validation Data



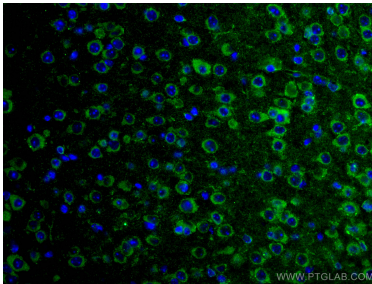
Various lysates were subjected to SDS PAGE followed by western blot with 67642-1-Ig (GRIA1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



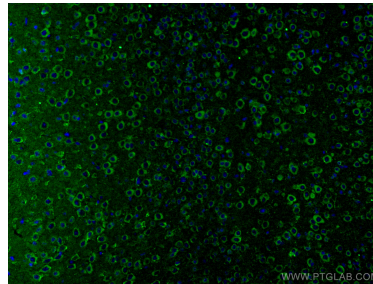
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67642-1-Ig (GRIA1 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67642-1-Ig (GRIA1 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GRIA1 antibody (67642-1-Ig, Clone: 1F4A1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GRIA1 antibody (67642-1-Ig, Clone: 1F4A1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).