

Anti-GRIN1 Antibody (5R681)

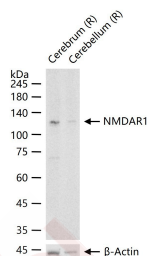
Product Details

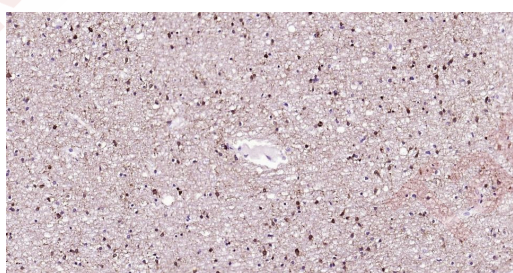
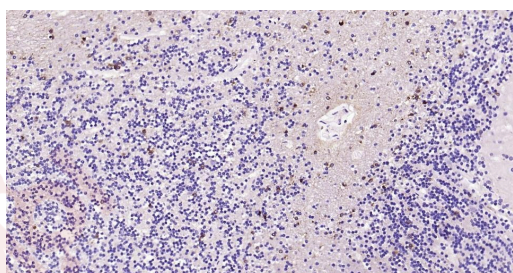
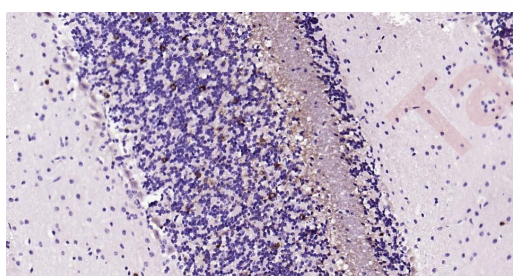
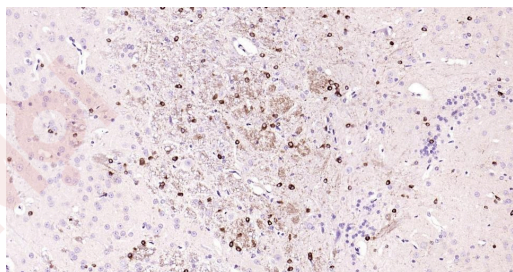
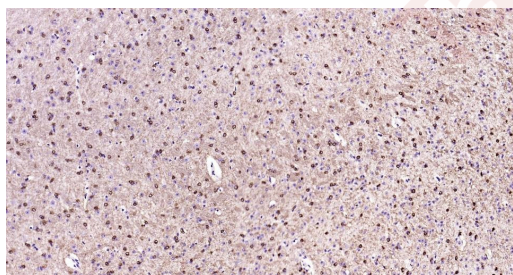
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|-------------------|--|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat |
| Molecular Weight: | Theoretical: 103 kDa. Actual: 120 kDa. |
| Clone: | 5R681 |
| Purification: | Protein A purified |

Applications

- 25 µg total protein per Lane of various lysates probed with NMDAR1 monoclonal antibody, unconjugated (TMAB-00813) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
- Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated (TMAB-00813) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated (TMAB-00813) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated (TMAB-00813) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated (TMAB-00813) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human Left Parietal Lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated (TMAB-00813) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

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| Immunogen: | A synthesized peptide: human GluN1 |
| Antigen Species: | Human |
| Gene ID: | 2902 |
| Uniprot ID: | Q05586 |
| Synonyms: | NMDAR1;NMDA 1;Glutamate [NMDA] receptor subunit zeta-1;GluN1;Glutamate receptor ionotropic, NMDA 1;N-methyl-D-aspartate receptor subunit NR1 (NMD-R1;hNR1);GRIN1 |
| Biology Area: | Growth Cone,Neurogenesis |

Research Background

The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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