

GRIN2B Rabbit Polyclonal Antibody



CAB3056

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

190KDa

Calculated MW:

166kDa

Applications:

WB IHC IF

Reactivity:

Mouse, Rat

Protein Background

N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain.

Immunogen information

Gene ID:

2904

Uniprot

Q13224

Synonyms:

GRIN2B; EIEE27; GluN2B; MRD6; NMDAR2B; NR2B; hNR3

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

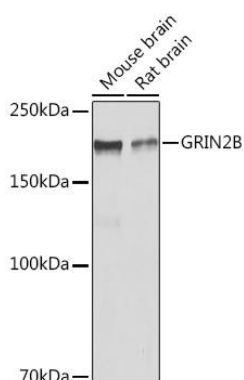
Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 1400 to the C-terminus of human GRIN2B (NP_000825.2).

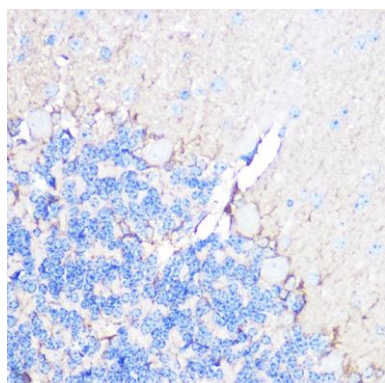
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

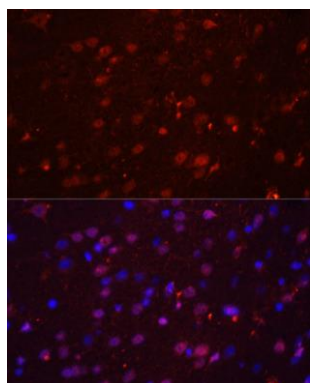
Product Images



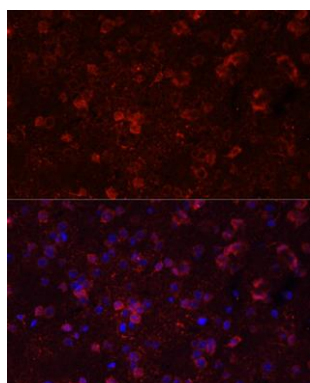
Western blot analysis of extracts of various cell lines, using GRIN2B Rabbit pAb (CAB3056) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunohistochemistry of paraffin-embedded mouse brain using GRIN2B Rabbit pAb (CAB3056) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of rat brain using GRIN1 antibody (CAB3056) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse brain using GRIN1 antibody (CAB3056) at dilution of 1:100. Blue: DAPI for nuclear staining.