

NMDAR2B (Phospho Ser1303) Rabbit pAb

CatalogNo: YP0493

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 170kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:40000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human GRIN2B around the phosphorylation site of Ser1303. AA range:1269-1318

Specificity Phospho-NMDAε2 (S1303) Polyclonal Antibody detects endogenous levels of NMDAε2 protein only when phosphorylated at S1303. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):QHsYD

Target Information

Gene name GRIN2B

Protein Name Glutamate [NMDA] receptor subunit epsilon-2

Organism	Gene ID	UniProt ID
Human	2904;	Q13224;
Mouse	14812;	Q01097;
Rat	24410;	Q00960;

Cellular Localization

Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Late endosome . Lysosome . Cytoplasm, cytoskeleton . Co-localizes with the motor protein KIF17 along microtubules. .

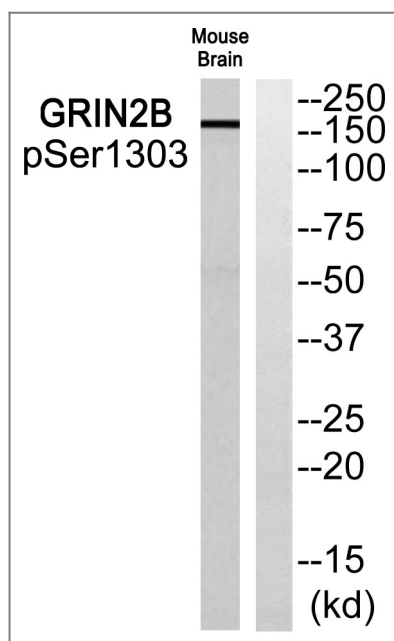
Tissue specificity

Primarily found in the fronto-parieto-temporal cortex and hippocampus pyramidal cells, lower expression in the basal ganglia.

Function

Function:NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.,similarity:Belongs to the glutamate-gated ion channel (TC 1.A.10) family.,subunit:Forms heteromeric channel of a zeta subunit (GRIN1), a epsilon subunit (GRIN2A, GRIN2B, GRIN2C or GRIN2D) and a third subunit (GRIN3A or GRIN3B). Found in a complex with GRIN1 and GRIN3B. Found in a complex with GRIN1, GRIN3A and PPP2CB. Interacts with PDZ domains of INADL and DLG4. Interacts with HIP1 (By similarity). Interacts with MAGI3.,tissue specificity:Primarily found in the fronto-parieto-temporal cortex and hippocampus pyramidal cells, lower expression in the basal ganglia.,

Validation Data



Western blot analysis of GRIN2B (Phospho-Ser1303) Antibody. The lane on the right is blocked with the GRIN2B (Phospho-Ser1303) peptide.

| Contact information

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NMDAR2B (Phospho Ser1303) Rabbit pAb

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