



NMDA ϵ 4 Polyclonal Antibody

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|---------------------------|---|
| Catalog No | BYab-16489 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat;Monkey |
| Applications | WB;ELISA |
| Gene Name | GRIN2D |
| Protein Name | Glutamate [NMDA] receptor subunit epsilon-4 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human GRIN2D. AA range:671-720 |
| Specificity | NMDA ϵ 4 Polyclonal Antibody detects endogenous levels of NMDA ϵ 4 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Purity | \geq 90% |
| Storage Stability | -20°C/1 year |
| Synonyms | GRIN2D; GluN2D; NMDAR2D; Glutamate [NMDA] receptor subunit epsilon-4; EB11; N-methyl D-aspartate receptor subtype 2D; NMDAR2D; NR2D |
| Observed Band | 170kD |
| Cell Pathway | Cell membrane ; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. |
| Tissue Specificity | Brain,Fetal brain, |
| 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:Interacts with PDZ domains of INADL and DLG4 (By similarity). Forms heteromeric channel of a zeta subunit (GRIN1), a epsilon subunit (GRIN2A, GRIN2B, GRIN2C or GRIN2D) and a third subunit (GRIN3A or GRIN3B)., |
| Background | N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA channel has been shown to be involved in long-term |

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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 the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C), and NMDAR2D (GRIN2D). [provided by RefSeq, Mar 2010],

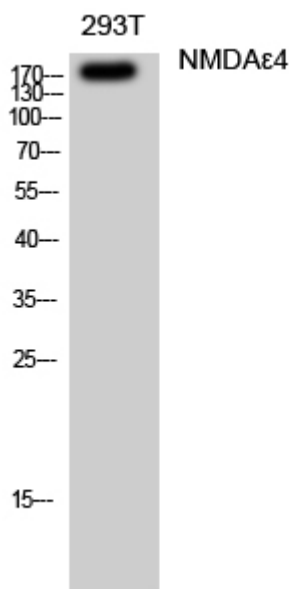
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 293T cells using NMDAε4 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from COS7 cells, using GRIN2D Antibody. The lane on the right is blocked with the synthesized peptide.

GRIN2D-



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