

Product Name: NMDAε4 Rabbit Polyclonal Antibody
Catalog #: APRab14761



Summary

Production Name	NMDAε4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	GRIN2D
Alternative Names	GRIN2D; GluN2D; NMDAR2D; Glutamate [NMDA] receptor subunit epsilon-4; EB11; N-methyl D-aspartate receptor subtype 2D; NMDAR2D; NR2D
Gene ID	2906.0
SwissProt ID	O15399.The antiserum was produced against synthesized peptide derived from human GRIN2D. AA range:671-720

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:40000.
Molecular Weight	170kD

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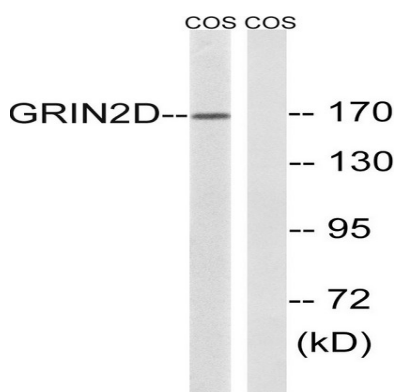
Background

N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA channel has been shown to be involved in long-term 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],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),.

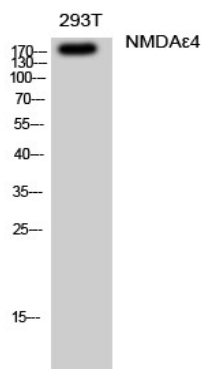
Research Area

Calcium;Neuroactive ligand-receptor interaction;Long-term potentiation;Alzheimer's disease;Amyotrophic lateral sclerosis (ALS);

Image Data



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



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

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Note

For research use only.