

NMDA ϵ 1/2 Rabbit pAb

CatalogNo: YT3149

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 170kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:100-1:300**IF 1:200-1:1000****ELISA 1:20000****Not yet tested in other applications.**

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.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

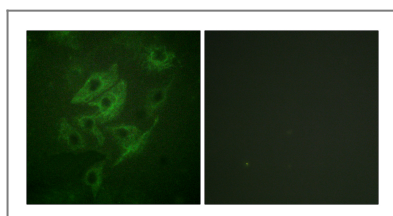
The antiserum was produced against synthesized peptide derived from human NMDAR2A/B. AA range: 1216-1265

SpecificityNMDA ϵ 1/2 Polyclonal Antibody detects endogenous levels of NMDA ϵ 1/2 protein.

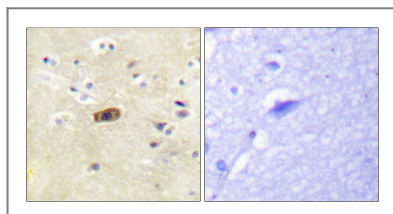
Target Information

Gene name	GRIN2A/GRIN2B		
Protein Name	Glutamate [NMDA] receptor subunit epsilon-1/2		
	Organism	Gene ID	UniProt ID
	Human	2903 ; 2904 ;	Q12879 ; Q13224 ;
	Mouse	14811 ; 14812 ;	
	Rat	24409 ; 24410 ;	Q00959 ; Q00960 ;
Cellular Localization	Cell projection, dendritic spine . Cell membrane ; Multi-pass membrane protein . Cell junction, synapse . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane . Expression at the dendrite cell membrane and at synapses is regulated by SORCS2 and the retromer complex. .		
Tissue specificity	Brain,Cerebellum,Epithelium,Hippocampus,		
Function	Function:NMDA receptor subtype of glutamate-gated ion channels possesses high calcium permeability and voltage-dependent sensitivity to magnesium. Activation requires binding of agonist to both types of subunits.,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 AIP1, INADL and DLG4. Interacts with HIP1.,		

Validation Data



Immunofluorescence analysis of HUVEC cells, using NMDAR2A/B Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NMDAR2A/B Antibody. The picture on the right is blocked with the synthesized peptide.

Contact information

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Please scan the QR code
to access additional
product information:
**NMDAε1/2 Rabbit
pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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