NMDAε1/2 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
Specificity	NMDAε1/2 Polyclonal Antibody detects endogenous levels of NMDAε1/2 protein.

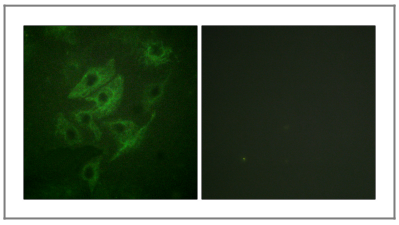
Target Information

Gene name	GRIN2A/GRIN2B
Protein Name	Glutamate [NMDA] receptor subunit epsilon-1/2

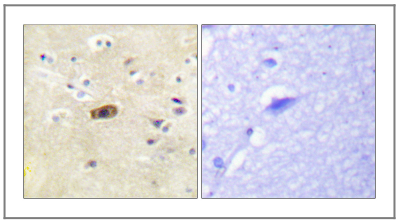
Organism	Gene ID	UniProt ID
Human	2903; 2904;	Q12879; Q13224;
Mouse	14811; 14812;	
Rat	24409; 24410;	Q00959; Q00960;

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:
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