

## NMDA $\epsilon$ 1/2 Rabbit pAb

CatalogNo: YT3149

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, IF, ELISA

#### MW

- 170kD (Calculated)

#### 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

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:20000**

Not yet tested in other applications.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

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

**Specificity** NMDA $\epsilon$ 1/2 Polyclonal Antibody detects endogenous levels of NMDA $\epsilon$ 1/2 protein.

### Target Information

**Gene name** GRIN2A/GRIN2B

**Protein Name** Glutamate [NMDA] receptor subunit epsilon-1/2

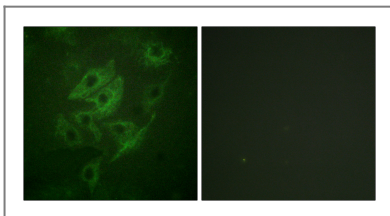
Organism	Gene ID	UniProt ID
Human	<a href="#">2903</a> ; <a href="#">2904</a> ;	<a href="#">Q12879</a> ; <a href="#">Q13224</a> ;
Mouse	<a href="#">14811</a> ; <a href="#">14812</a> ;	
Rat	<a href="#">24409</a> ; <a href="#">24410</a> ;	<a href="#">Q00959</a> ; <a href="#">Q00960</a> ;

**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. .

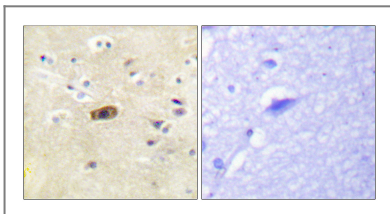
**Tissue specificity** Brain,Cerebellum,Epithelium,Hippocampus,

**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:  
**NMDA $\epsilon$ 1/2 Rabbit  
pAb**

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

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)