

## NMDAepsilon1/2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP06072
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NMDAR2A/B. AA range:1216-1265
<b>Mol wt</b>	165283/166367
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	NMDAepsilon1/2 Antibody
<b>Synonyms</b>	GRIN2A; NMDAR2A; Glutamate [NMDA] receptor subunit epsilon-1; N-methyl D-aspartate receptor subtype 2A; NMDAR2A; NR2A; hNR2A; GRIN2B; NMDAR2B; Glutamate [NMDA] receptor subunit epsilon-2; N-methyl D-a

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

GRIN2A encodes a member of the glutamate-gated ion channel protein family. The glutamate ionotropic receptor NMDA type subunit 2A is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. These receptors are permeable to calcium ions, and activation results in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades. Disruption of this gene is associated with focal epilepsy and speech disorder with or without mental retardation. Alternative splicing results in multiple transcript variants.

### Recommended Dilution

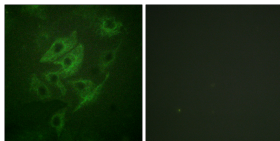
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

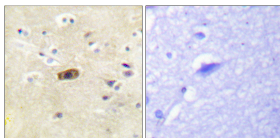
ELISA: 1: 20000

Not yet tested in other applications.

### Images



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.

### Storage

-20°C for one year

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