BT LAB
Bioassay Technology Laboratory
Optimize Your Research

NMDA Epsilon 1/2(Phospho Tyr1246/1252) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07316
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human NMDAR2A/B around the phosphorylation site of Tyr1246/1252. AA range:1216-1265
Mol wt	165283;166367
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Glutamate [NMDA] receptor subunit epsilon-1/2
Synonyms	Glutamate [NMDA] receptor subunit epsilon-1/2; 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-aspartate receptor subtype 2B; NMDAR2B; N

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

Background

This gene encodes a member of the glutamate-gated ion channel protein family. The encoded protein 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-p: 1: 100 - 1: 300

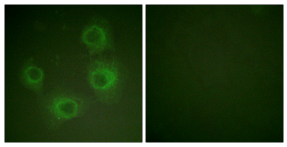
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

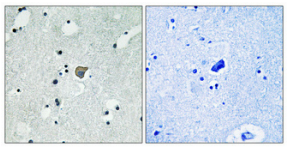
ELISA: 1: 10000

Not yet tested in other applications.

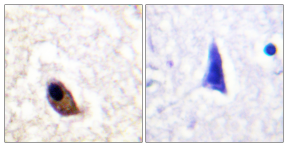
Images



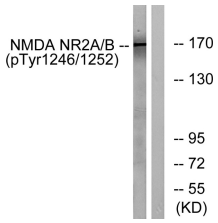
Immunofluorescence analysis of HUVEC cells, using NMDAR2A/B (Phospho-Tyr1246/1252) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using NMDAR2A/B (Phospho-Tyr1246/1252) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of NMDAR2A/B (Phospho-Tyr1246/1252) Antibody. The lane on the right is blocked with the NMDAR2A/B (Phospho-Tyr1246/1252) peptide.

Storage

-20°C for 1 year

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