Data Sheet (Cat.No.TMAC-02863)

TargetMol

Anti-Phospho-NMDAR2A/B (Tyr1246/1252) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 165 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Applications

Application:	ELISA,ICC/IF,IHC-P,WB
Recommended	IHC-P: 1:100-300; ICC/IF: 1:200-1000; ELISA: 1:10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human NMDAR2A/B around the phosphorylation site of Tyr1246/1252. AA range:1216-1265
Antigen Species:	Human
Synonyms:	p-NMDAR2A/B (Y1246/1252);p-NMDAR2A/B (Tyr1246/1252);NMDAR2A/B (p-Y1246/1252); NMDAR2A/B (p-Tyr1246/1252)

Research Background

glutamate ionotropic receptor NMDA type subunit 2A(GRIN2A) Homo sapiens 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. [provided by RefSeq, May 2014],

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