NMDAR2A (phospho-Tyr1325) antibody

Catalog No: #62098

Package Size: #62098 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	NMDAR2A (phospho-Tyr1325) antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	ELISA
Species Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of human NMDAR2A when phosphorylated at Tyr1325.
Immunogen Type	Peptide
Immunogen Description	peptide derived from NMDAR2A, corresponding to amino acid residues around phosphorylated Tyr1325.
Target Name	NMDAR2A
Calculated MW	165kDa
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle.

Application Details

ELISA 1:20000-1:40000

Background

Component of NMDA receptor complexes that function as heterotetrameric, ligand-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Channel activation requires binding of the neurotransmitter glutamate to the epsilon subunit, glycine binding to the zeta subunit, plus membrane depolarization to eliminate channel inhibition by Mg(2+). Sensitivity to glutamate and channel kinetics depend on the subunit composition; channels containing GRIN1 and GRIN2A have higher sensitivity to glutamate and faster kinetics than channels formed by GRIN1 and GRIN2B. Contributes to the slow phase of excitatory postsynaptic current, long-term synaptic potentiation, and learning (By similarity).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.