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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NMDAR2A/GRIN2A Antibody Picoband® Biotin Conjugated

Catalog Number: PA1058-1-Biotin

About GRIN2A

GRIN2A is also known as N-methyl-D-aspartate receptor channel, subunit epsilon-1 (NMDAR2A). 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.

Overview

Product Name	Anti-NMDAR2A/GRIN2A Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q12879

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human NMDAR2A, different from the related mouse sequence by three amino acids, and from the related rat sequence by four amino acids.
Cross Reactivity	No cross reactivity with other proteins
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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2 Publications Citing This Product

1. PubMed ID: 10.1016/j.neuro.2016.01.005, Impaired hippocampal synaptic plasticity and NR2A/2B expression ratio in remifentanil withdrawal rats

2. PubMed ID: 33099751, Liang Y,Ma Y,Wang J,Nie L,Hou X,Wu W,Zhang X,Tian Y. Leptin Contributes to Neuropathic Pain via Extrasynaptic NMDAR-nNOS Activation. Mol Neurobiol.2020 Oct 25.doi:10.1007/s12035-020-02180-1.Epub ahead of print.PMID:33099751.

Visit bosterbio.com/anti-nmdar2a-antibody-pa1058-1-boster.html to see all 2 publications.

Anti-NMDAR2A/GRIN2A Antibody - Biotin

For Research Use Only. Not for use in diagnostic procedures.