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antibody and ELISA experts

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

Catalog Number: PB9335-PE

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® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
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. Protect from light.
Host	Rabbit
Uniprot ID	Q12879

Technical Details

Immunogen	E.coli-derived human NMDAR2A recombinant protein (Position: D958-R1300). Human NMDAR2A shares 89% and 90% amino acid (aa) sequence identity with mouse and rat NMDAR2A, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. 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-picoband-trade-antibody-pb9335-boster.html to see all 1 publications.

Anti-NMDAR2A/GRIN2A Antibody - PE

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