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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NMDAR2C/GRIN2C Antibody Picoband®

Catalog Number: PB9374

About GRIN2C

NMDAR2C, known as GRIN2C, is mapped to 17q25.1. Glutamate [NMDA] receptor subunit epsilon-3 is a protein that in humans is encoded by the GRIN2C gene. NMDA receptors are found in the central nervous system, are permeable to cations and have an important role in physiological processes such as learning, memory, and synaptic development. The receptor is a tetramer of different subunits (typically heterodimer of subunit 1 with one or more of subunits 2A-D), forming a channel that is permeable to calcium, potassium, and sodium, and whose properties are determined by subunit composition. Alterations in the subunit composition of the receptor are associated with pathophysiological conditions such as Parkinson's disease, Alzheimer's disease, depression, and schizophrenia. Alternative splicing results in multiple transcript variants.

Overview

Product Name	Anti-NMDAR2C/GRIN2C Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-NMDAR2C/GRIN2C Antibody Picoband® catalog # PB9374. Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q14957

Technical Details

Immunogen	E.coli-derived human NMDAR2C recombinant protein (Position: Q43-Q242). Human NMDAR2C shares 93% and 92.5% amino acid (aa) sequence identity with mouse and rat NMDAR2C, respectively.

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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Rat, Human

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Anti-NMDAR2C/GRIN2C Antibody Picoband® (PB9374) Images

Anti-NMDAR2C Picoband antibody, PB9374, Western blottingAll lanes: Anti NMDAR2C (PB9374) at 0.5ug/mlWB: Rat Brain Tissue Lysate at 50ugPredicted bind size: 134KDObserved bind size: 134KD

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Anti-NMDAR2C/GRIN2C Antibody

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