

Anti-Glutamate receptor 3/GRIA3 Antibody Picoband®

Catalog Number: PA2249

About GRIA3

Glutamate receptor 3 is a protein that in humans is encoded by the GRIA3 gene. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. It is mapped to Xq25. Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. In addition to that, GRIA3 has been shown to interact with GRIP1 and PICK1.

Overview

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| Product Name | Anti-Glutamate receptor 3/GRIA3 Antibody Picoband® |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Glutamate receptor 3/GRIA3 Antibody catalog # PA2249. Tested in WB applications. This antibody reacts with Human, Mouse, 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, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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 | P42263 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human GRIA3, identical to the related mouse and rat sequences. |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |

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| 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, Mouse, Rat, Human |

Anti-Glutamate receptor 3/GRIA3 Antibody Picoband® (PA2249) Images



Anti-GRIA3 antibody, PA2249, All Western blotting
All lanes: Anti-GRIA3 (PA2249) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 40ug
Lane 2: Mouse Brain Tissue Lysate at 40ug
Predicted bind size: 101KD
Observed bind size: 101KD

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Anti-Glutamate receptor 3/GRIA3 Antibody

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