

Product datasheet for TA321207

GRIA1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB: 1:500-1000

Reactivity: Human, Mouse, Rat

Modifications: Phospho-specific

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide sequence around phosphorylation site of serine 849 (Q-Q-S(p)-I-N) derived from

Human GluR1.

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 102 kDa

Gene Name: glutamate ionotropic receptor AMPA type subunit 1

Database Link: NP 000818

Entrez Gene 14799 MouseEntrez Gene 50592 RatEntrez Gene 2890 Human

P42261



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Background: 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. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different

isoforms have been found for this gene.

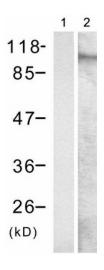
Synonyms: GluA1; GLUH1; GLUR1; GLURA; HBGR1

Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways: Amyotrophic lateral sclerosis (ALS), Long-term depression, Long-term potentiation,

Neuroactive ligand-receptor interaction

Product images:



Predicted band size: 102 kDa. Positive control: Rat brain tissue lysate. Recommended dilution: 1/500-1000. (Gel: 8%SDS-PAGE Lane 1: Treated with the peptide Lane 2: Rat brain tissue lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)