

Product datasheet for **TA303274**

GRIK1 Goat Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA: 1:8,000. WB: 1-3µg/ml. |
| Reactivity: | Human (Expected from sequence similarity: Mouse, Rat) |
| Host: | Goat |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Peptide with sequence QCKQTHPTNSTS, from the internal region (near the C Terminus) of the protein sequence according to NP_000821.1; NP_783300.1. |
| Formulation: | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| Concentration: | lot specific |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | glutamate ionotropic receptor kainate type subunit 1 |
| Database Link: | NP_000821 Entrez Gene 14805 Mouse Entrez Gene 29559 Rat Entrez Gene 2897 Human P39086 |



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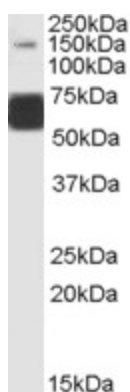
Background: Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq]

Synonyms: EAA3; EEA3; GLR5; GluK1; GLUR5

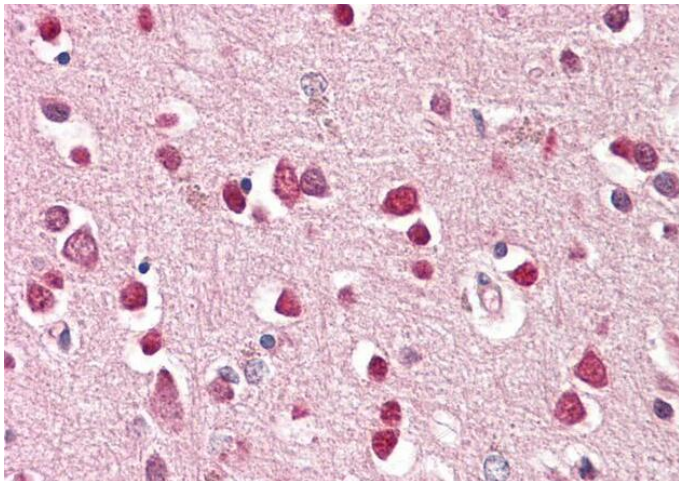
Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



TA303274 (1ug/ml) staining of Human Brain (Cerebellum) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



TA303274 (3.75ug/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.