

Product datasheet for **AP31107PU-N**

GRIA1 (264-277) Goat Polyclonal Antibody

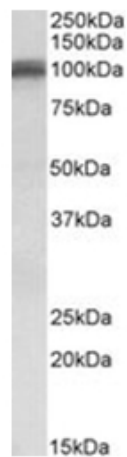
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Detection Limit: 1/16000. Western Blot: 0.1-0.3 µg/ml. Approx 100kDa band observed in Human, Mouse and Rat Brain (Cerebellum) lysates.
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_000818.2; NP_001107655.1.
Specificity:	This antibody is expected to recognize both reported isoforms (NP_000818.2 and NP_001107655.1).
Formulation:	Tris saline, pH~7.3 with 0.02% Sodium Azide and 0.5% BSA State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glutamate ionotropic receptor AMPA type subunit 1
Database Link:	Entrez Gene 14799 Mouse Entrez Gene 50592 Rat Entrez Gene 2890 Human P42261



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Background:	Glutamate dehydrogenase has a central role in nitrogen metabolism in plants and animals. Glutamate dehydrogenase is found in all organisms and catalyzes the oxidative deamination of 1-glutamate to 2-oxoglutarate. Glutamate, the main substrate of Glutamate dehydrogenase, is present in brain in concentrations higher than in other organs. In nervous tissue, Glutamate dehydrogenase appears to function in both the synthesis and the catabolism of glutamate and perhaps in ammonia detoxification.
Synonyms:	GluR-1, GRIA1, GLUH1, GluR-A, GluR-K1, Glutamate receptor ionotropic, AMPA1
Note:	Calculated Molecular Weight: 102kDa (NP_000818.2).
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:

GLUR1 antibody staining of Human Cerebellum lysate at 0.1 ug/ml (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.