

Product datasheet for **AP05432PU-N**

GRIA1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: 1 - 3 µg/ml. Western Blot: 0.5 - 2.5 µg/ml. Immunoprecipitation.
Reactivity:	Hamster, Human, Monkey, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to the C terminal region of the native molecule conjugated to Bovine Serum Albumin.
Specificity:	Western blot analysis of rat brain shows a single band known to be GluR1.
Formulation:	Phosphate buffered saline containing 0.09% Sodium Azide (NaN ₃) and 1% Bovine Serum Albumin State: Purified State: Lyophilised Ig fraction
Reconstitution Method:	Use 50-100 µl sterile distilled water.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody 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 2890 Human P42261



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Background: Glutamate receptor 1 (AMPA) belongs to the glutamate-gated ion channel and binds AMPA, glutamate and kainate. L-Glutamate is the major excitatory neurotransmitter in the mammalian CNS, acting through both ligand gated ion channels (ionotropic receptors; composed of subunits GluR1-4) and G-protein coupled (metabotropic) receptors. The AMPA glutamate receptors mediate fast synaptic transmission in the CNS.

Synonyms: GluR-1, GRIA1, GLUH1, GluR-A, GluR-K1, Glutamate receptor ionotropic, AMPA1