

Product datasheet for **AP09504PU-S**

GRIA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF
Recommended Dilution:	Immunofluorescence: 1/100 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthesized non-phosphopeptide derived from human GluR1 around the phosphorylation site of serine 863 (R-N-SP-G-A)
Specificity:	GluR1 Antibody detects endogenous levels of total GluR1 protein.
Formulation:	Phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. 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
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

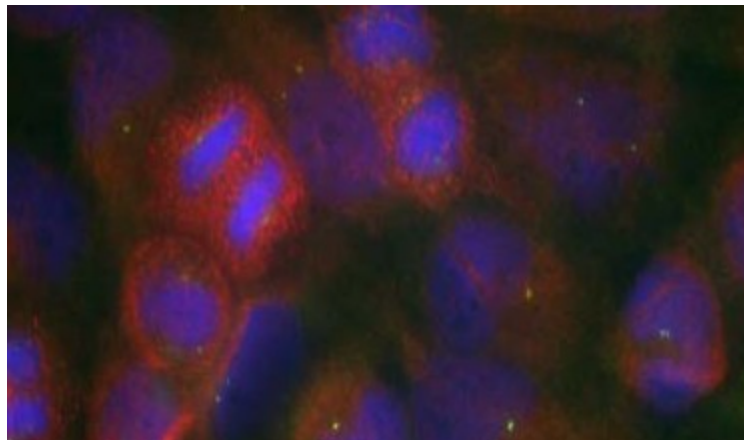


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Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways: Amyotrophic lateral sclerosis (ALS), Long-term depression, Long-term potentiation, Neuroactive ligand-receptor interaction

Product images:



Immunofluorescence staining of methanol-fixed HeLa cells using GluR1 Antibody