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Product datasheet for AP05940PU-N

Ionotropic Glutamate receptor 2 (GRIA2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:1000; detects a band of approximately 100 kDa in rat brain hippocampus cell lysates.
Reactivity:	Chicken, Human, Monkey, Mouse, Rat, Zebrafish
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Keyhole limpet haemocyanin conjugated synthetic peptide corresponding to an amino acid sequence within rat GluR2.
Specificity:	This antibody is specific for glutamate receptor subunit 2 (GluR2), a component of the AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxalone propionic acid) group of ionotropic glutamate receptors, which play a key role at excitatory synapses, including synaptic transmission, stabilisation and plasticity.
Formulation:	10mM Hepes, pH7.5 containing 0.09% Sodium Azide, 0.01% Bovine Serum Albumin, 50% Glycerol State: Purified State: Liquid purified Ig
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	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 2
Database Link:	Entrez Gene 2891 Human P42262

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Background: GluR2 is possibly the most important of the AMPA receptor subunits, responsible for AMPA receptor rectifying properties, control of ion flow and in particular the influx of calcium. The majority of GluR2 in the CNS is expressed in the GluR2(R) form, containing a critical arginine residue (as opposed to a glutamine residue) in the Transmembrane region 2 (TM2) domain, thereby rendering native AMPA receptors impermeable to calcium.

Synonyms: GluR-B, GluR-K2, Glutamate receptor ionotropic, AMPA2, GRIA2

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