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Product datasheet for AP22578PU-N

GRIA4 (279-292) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/128000, 0.3 - 1 µg/ml. **Immunohistochemistry on Paraffin Sections:** 5 µg/ml. **Western Blot:** 0.3 - 1 µg/ml.
Reactivity:	Bovine, Human, Mouse, Rat, Bat, Canine, Chicken, Equine, Monkey, Rabbit
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with from the internal region of the protein sequence according to NP_000820.3, NP_001070711.1, NP_001070712.1
Specificity:	This antibody detects Glutamate receptor 4 / GLUR4 (Internal). It is expected to recognize all reported isforms (NP_000820.3; NP_001070711.1; NP_001070712.1). Reported variants NP_001070712.1 and NP_001106283.1 represent identical protein.
Formulation:	Tris saline, pH 7.3 containing 0.02% sodium azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity 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 4
Database Link:	Entrez Gene 2893 Human P48058

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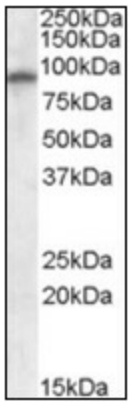
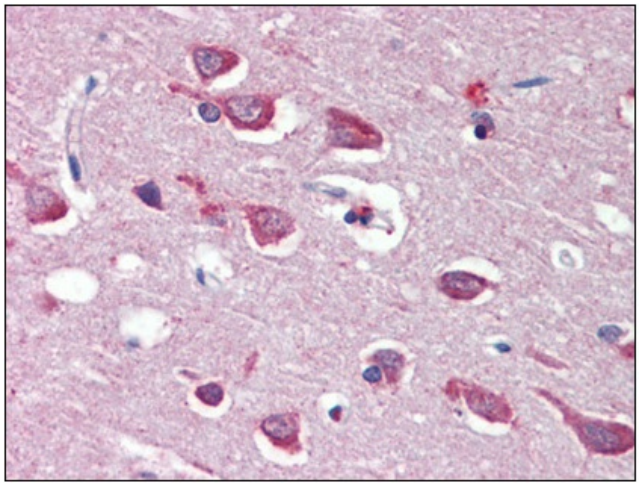
Background: Human glutamate receptor 4 (GRIA4) is a new member of the family of ionotropic glutamate receptors which are the predominant excitatory neurotransmitter receptors in the mammalian brain. Binding studies showed that human GRIA4 transfected into simian kidney cells (COS-1) exhibits high specific binding for[3H](RS)-alpha-amino- 3-hydroxy-5-methylisoxazole-4-propionic acid ([3H]AMPA) but not [3H]kainate. Ion substitution experiments indicate that hGluR4 receptor-linked ion channels in their homomeric state are permeable to both CA2+ and Na+ ions. Immunoprecipitation studies suggest that GRIA1 exists in situ in the form of a pentamer.

Synonyms: GluR-4, GRIA4, GluR-D, GluA4, Glutamate receptor ionotropic AMPA4

Product images:



Antibody (0.3 ug/ml) staining of Human Cerebellum lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence



Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with GRIA4 antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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