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Research Use Only. Not for diagnostic or therapeutic use.

EB08518 - Goat Anti-GRIA4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GRIA4, glutamate receptor, ionotrophic, AMPA 4, GLUR4, GLUR4C,

GLURD, AMPA-selective glutamate receptor 4

Official Symbol: GRIA4

Accession Number(s): NP_000820.3; NP_001070711.2; NP_001070712.1

Human GeneID(s): 2893

Non-Human GenelD(s): 14802 (mouse), 29629 (rat)

Important Comments: This antibody 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.

Immunogen

Peptide with sequence C-KKLDQREYPGSETP, from the internal region of the protein sequence according to NP_000820.3; NP_001070711.2; NP_001070712.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx.100kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 99.2kDa according to NP_001070711.2). Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature.

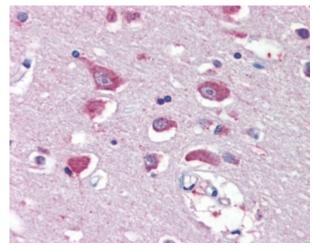
IHC: In paraffin embedded Human Cortex shows cytoplasm staining of neuronal cells.

Recommended concentration, 5-10µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Cow



EB08518 ($5\mu g/ml$) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08518 (2μg/ml) staining of Human Cerebellum lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.