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diagnostic or therapeutic use.**

EB08518 - Goat Anti-GRIA4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GRIA4, glutamate receptor, ionotropic, 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 GeneID(s): 14802 (mouse), 29629 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms (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 (5µg/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.