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EB08000 - Goat Anti-GLuR5 / GRIK1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GLUR5, GRIK1, glutamate receptor, ionotropic, kainate 1, EAA3,

EEA3, GLR5, excitatory amino acid receptor 3

Official Symbol: GRIK1

Accession Number(s): NP_000821.1; NP_783300.1

Human GenelD(s): 2897

Non-Human GenelD(s): 14805 (mouse), 29559 (rat)

Important Comments: This antibody is expected to recognise both reported isoforms

according to NP_000821.1 and NP_783300.1.

Immunogen

Peptide with sequence QCKQTHPTNSTS, from the internal region (near the C Terminus) of the protein sequence according to NP_000821.1; NP_783300.1.

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 1:8000.

Western blot: Approx 150kDa band observed in Human Brain (Cerebellum and Cerebral Cortex) lysates (calculated MW of 104kDa according to NP_000821.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Christensen et al , J Neurosci. 2004 Oct 13;24(41):8986-93.; PMID: 15483117). Recommended concentration: 1-3μg/ml. Primary incubation was 1 hour. An additional very strong band of unknown identity was also consistently observed at 60kDa. This band was successfully blocked by incubation with the immunising peptide.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.

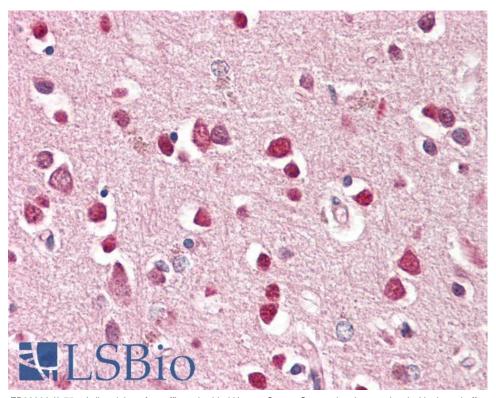
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



EB08000 (1µg/ml) staining of Human Brain (Cerebellum) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB08000 (3.75 μ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.