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Research Use Only. Not for diagnostic or therapeutic use.

EB10214 - Goat Anti-GRM2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GLUR2, glutamate metabotropic receptor 2, glutamate receptor homolog, glutamate receptor, metabotropic 2, GPRC1B, mGlu2, MGLUR2, GRM2

Official Symbol: GRM2

Accession Number(s): NP_000830.2; NP_001123535.1

Human GeneID(s): 2912

Non-Human GenelD(s): 108068 (mouse), 24415 (rat)

Important Comments: This antibody is expected to recognize both isoforms

(NP_000830.2; NP_001123535.1).

Immunogen

Peptide with sequence C-KETAPERREV, from the internal region of the protein sequence according to NP_000830.2; NP_001123535.1.

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 1:16000.

Western blot: Approx 30kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 27.5kDa according to NP_001123535.1). Recommended

concentration: 1-3µg/ml.

IHC: In paraffin embedded Human Cerebral Cortex shows membranous/axonal staining. Recommended concentration, 3-5µg/ml.

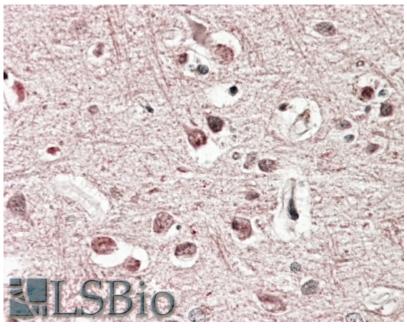
Species Reactivity

Tested: Human

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB10214 (1μg/ml) staining of Human Hippocampus lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10214 (3.8μg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.