

## UK Office

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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 GeneID(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

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.