

#### **UK Office**

Everest Biotech Ltd Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries: info@everestbiotech.com Sales: sales@everestbiotech.com Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

#### www.everestbiotech.com

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 GenelD(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.

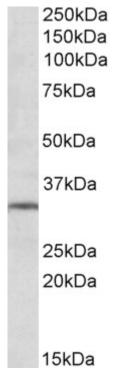
Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

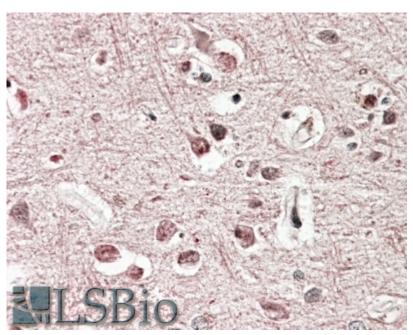
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 30kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 27.5kDa according to NP\_001123535.1). Recommended concentration: 1-3μg/ml.
IHC: In paraffin embedded Human Cerebral Cortex shows membranous/axonal staining. Recommended concentration, 3-5μg/ml.

## **Species Reactivity**

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



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.