

## International Office

### Everest Biotech Ltd

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06461 - Goat Anti-GPR83 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GPR83, GIR, GPR72, G protein-coupled receptor 83, G protein-coupled receptor 72, G-protein coupled receptor 72, glucocorticoid induced receptor

**Official Symbol:** GPR83

**Accession Number(s):** NP\_057624.3

**Human GeneID(s):** [10888](#)

### Immunogen

Peptide with sequence CQSGKTDLSSVEP, from the C Terminus of the protein sequence according to NP\_057624.3.

### 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 1:32000.

**Western blot:** Western Blot: Preliminary experiments gave bands at approx 48kDa and 35kDa in human brain lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the 35kDa band we observe given the calculated size of 48.4kDa according to NP\_057624.2. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig