

## UK Office

### Everest Biotech Ltd

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

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB11795 - Goat Anti-Glycine receptor, alpha 1 (intracellular) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Glra1, glycine receptor 48 kDa subunit, glycine receptor strychnine-binding subunit, glycine receptor subunit alpha-1, glycine receptor, alpha 1, glycine receptor, alpha 1 subunit, GLYRA1

**Official Symbol:** Glra1

**Accession Number(s):** NP\_037265.1

**Human GeneID(s):** [2741](#)

**Non-Human GeneID(s):** 14654 (mouse), 25674 (rat)

**Important Comments:** The immunizing peptide represents part of the cytoplasmic domain. The antibody is not expected to cross-react with other glycine receptor alpha proteins.

### Immunogen

Peptide with sequence CLQAKDGISVKGAN, from the internal region of the protein sequence according to NP\_037265.1.

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 1:128000.

**Western blot:** Approx 60kDa band observed in Mouse and Rat Testis lysates (calculated MW of 51.7kDa according to Mouse NP\_065238.2). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Lung and Kidney. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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

EB11795 (0.3µg/ml) staining of Mouse Testis lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB11795 (5µg/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB11795 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.