



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[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.

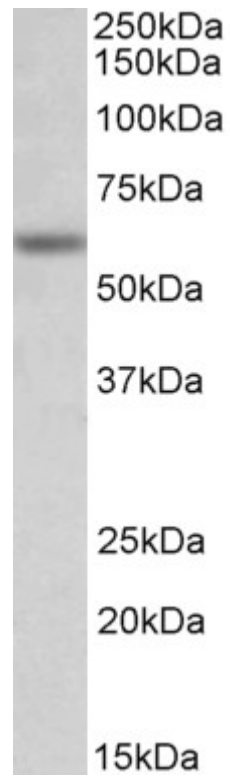
**Western blot:** Approx 60kDa band observed in Mouse and Rat Testis lysates (calculated MW of 51.7kDa according to Mouse NP\_065238.2). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

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

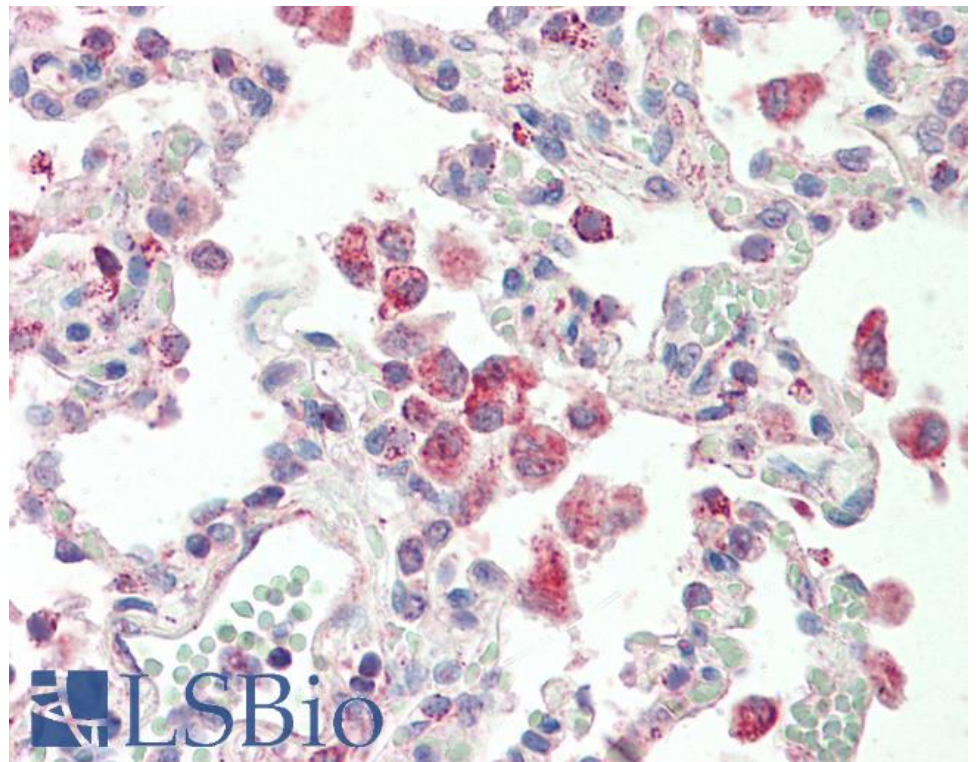
### Species Reactivity

**Tested:** Human, Mouse, Rat

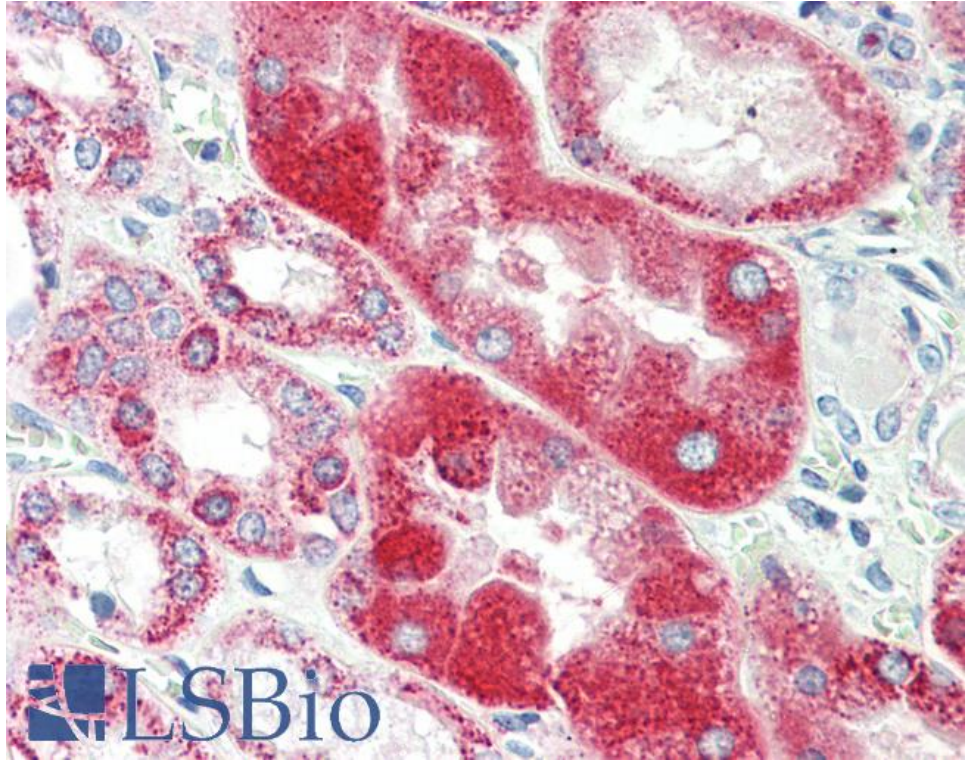
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



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



EB11795 (5 $\mu$ g/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.