

## UK Office

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

## EB08518 - Goat Anti-GRIA4 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GRIA4, glutamate receptor, ionotropic, AMPA 4, GLUR4, GLUR4C, GLURD, AMPA-selective glutamate receptor 4

**Official Symbol:** GRIA4

**Accession Number(s):** NP\_000820.3; NP\_001070711.2; NP\_001070712.1

**Human GeneID(s):** [2893](#)

**Non-Human GeneID(s):** 14802 (mouse), 29629 (rat)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_000820.3; NP\_001070711.1; NP\_001070712.1). Reported variants NP\_001070712.1 and NP\_001106283.1 represent identical protein.

### Immunogen

Peptide with sequence C-KKLDQREYPGSETP, from the internal region of the protein sequence according to NP\_000820.3; NP\_001070711.2; NP\_001070712.1.

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.

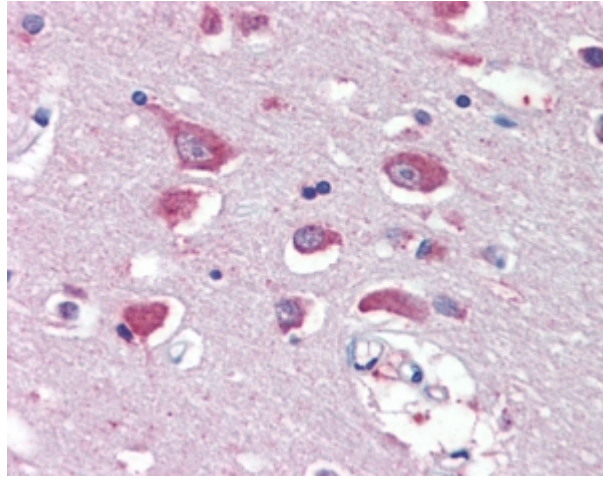
**Western blot:** Approx. 100kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 99.2kDa according to NP\_001070711.2). Recommended concentration: 1-2µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** In paraffin embedded Human Cortex shows cytoplasm staining of neuronal cells. Recommended concentration, 5-10µg/ml.

### Species Reactivity

**Tested:** Human

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



EB08518 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08518 (2µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.