



## UK Office

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

## EB09221 - Goat Anti-GRIK5 / KA2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GRIK5, glutamate receptor, ionotropic, kainate 5, EAA2, GRIK2, KA2, excitatory amino acid receptor 2, glutamate receptor KA2

**Official Symbol:** GRIK5

**Accession Number(s):** NP\_002079.3

**Human GeneID(s):** [2901](#)

**Non-Human GeneID(s):** 24407 (rat)

### Immunogen

Peptide with sequence C-GPAGPRELAEHE, from the C Terminus of the protein sequence according to NP\_002079.3.

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 1:32000.

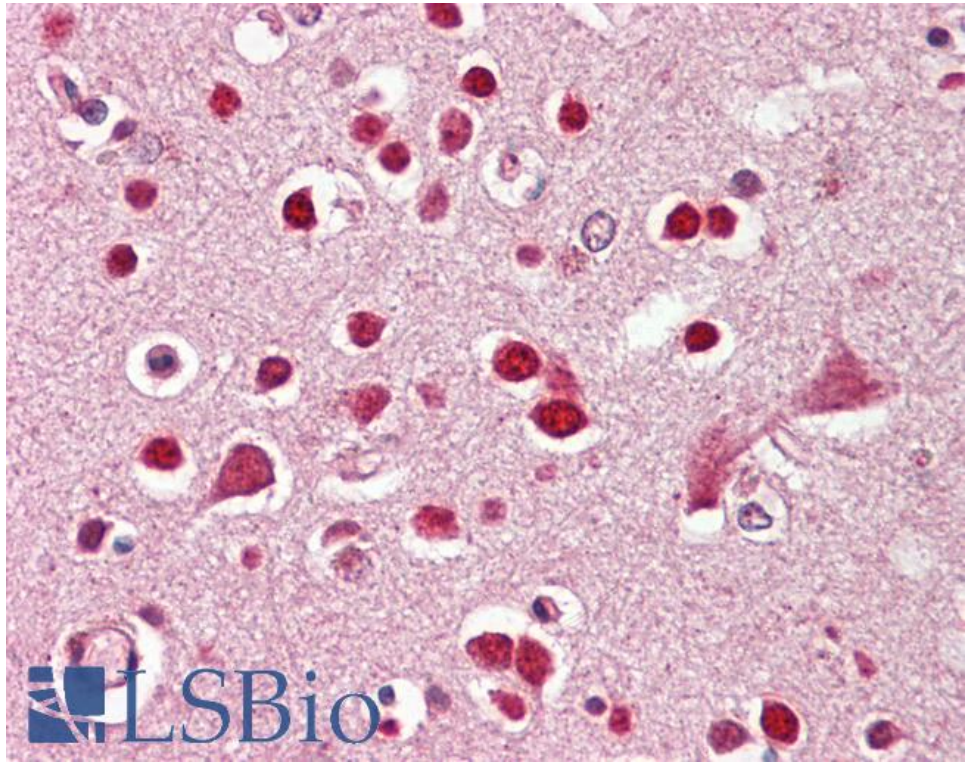
**Western blot:** Preliminary experiments gave an approx. 26kDa band in Human Brain (Frontal Cortex and Hippocampus) lysates after 1µg/ml antibody staining. Please note that currently we can not find an explanation in the literature for the band we observe given the calculated size of 109kDa according to NP\_002079.3. The 26kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.

### Species Reactivity

**Tested:** Human

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



EB09221 (3.75 $\mu$ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.