EB09221 - Goat Anti-GRIK5 / KA2 Antibody

Size: 100µg specific antibody in 200µl

UK Office

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

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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

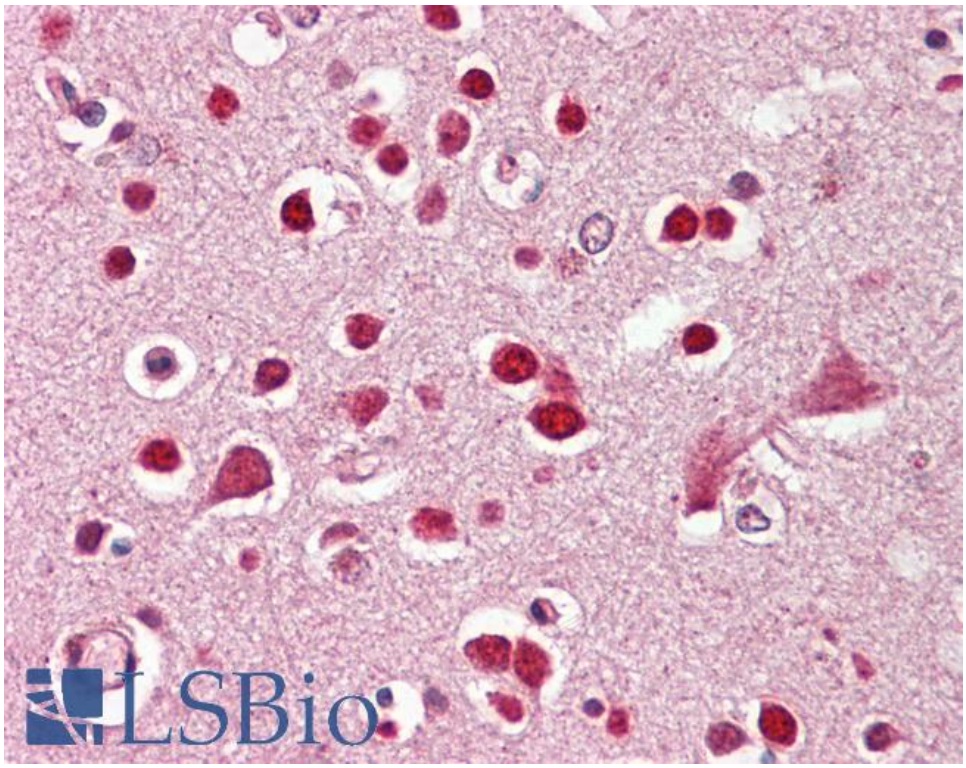
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

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 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.