EB09101 - Goat Anti-GABRA4 Antibody
Size: 100µg specific antibody in 200µl

Target Protein
Principal Names: GABRA4, gamma-aminobutyric acid (GABA) A receptor, alpha 4, gamma-aminobutyric acid A receptor, alpha 4
Official Symbol: GABRA4
Accession Number(s): NP_000800.2
Human GeneID(s): 2557

Immunogen
Peptide with sequence C-EKAKRKTSKPPQE, from the internal region of the protein sequence according to NP_000800.2.

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
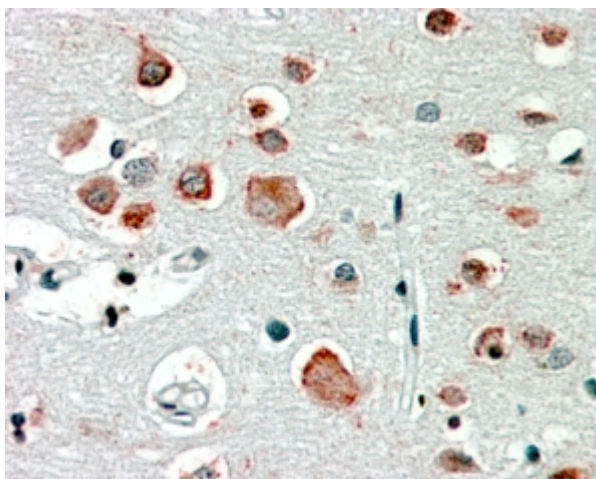**Peptide ELISA:** antibody detection limit dilution 1:16000.
Western blot: Approx. 70kDa band observed in Human Brain (Cerebellum and Frontal Cortex) lysates (calculated MW of 61.6kDa according to NP_000800.2). Recommended concentration: 0.1-0.3µg/ml.
IHC: In paraffin embedded Human Cortex shows patchy staining near or at the neuronal cell membrane.. Recommended concentration, 2-4µg/ml.

Species Reactivity
Tested: Human
Expected from sequence similarity: Human, Cow

EB09101 (2.5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

EB09101 (0.1µg/ml) staining of Human Frontal Cortex lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.