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EB09096 - Goat Anti-GABRB2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GABRB2, gamma-aminobutyric acid (GABA) A receptor, beta 2,

MGC119386, MGC119388, MGC119389, OTTHUMP00000160872

Official Symbol: GABRB2

Accession Number(s): NP_068711.1; NP_000804.1

Human GeneID(s): 2561

Non-Human GenelD(s): 14401 (mouse), 25451 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_068711.1; NP_000804.1).

Immunogen

Peptide with sequence C-HSFGRNALERHVAQ, from the internal region of the protein sequence according to NP_068711.1; NP_000804.1.

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 1:4000.

Western blot: Preliminary experiments gave an approx 80kDa band in Mouse Brain lysates after $0.2\ \mu\text{g/ml}$ antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 59.2kDa according to Human NP_068711.1 and 54.6kDa according to Mouse NP_032096.1. The 80kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

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