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Research Use Only. Not for diagnostic or therapeutic use.

EB11006 - Goat Anti-Htr1a (mouse) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: Htr1a, 5-hydroxytryptamine (serotonin) receptor 1A, Gpcr18, 5-HT-1A, 5-HT1A receptor, 5-hydroxytryptamine receptor 1A, G-protein coupled receptor 18, serotonin receptor 1A, 5-HT-1A, 5-HT1A receptor, 5-hydroxytryptamine (serotonin) receptor 1A, 5-hydroxytryptamine receptor 1A, Gpcr18, G-protein coupled receptor 18,

serotonin receptor 1A, Htr1a

Official Symbol: Htr1a

Accession Number(s): NP_032334.2

Human GeneID(s): 3350

Non-Human GenelD(s): 15550 (mouse), 24473 (rat)

Immunogen

Peptide with sequence C-ERKNERTAEAKRK, from the internal region of the protein sequence according to NP_032334.2.

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 1:128000.

Western blot: Approx 45kDa band observed in Mouse Brain lysates (calculated MW of 46.2kDa according to Mouse NP_032334.2). Recommended concentration: 1-3μg/ml. Additional bands of 75 and 18kDa of unknown identity were consistently observed. These bands were successfully blocked by incubation with the immunizing peptide. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Rat Brain for this particular batch.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat

Specific Reference

This antibody has been successfully used in Western blot on Human:

Cordeaux Y, Pasupathy D, Bacon J, Charnock-Jones DS, Smith GC.

Characterization of serotonin receptors in pregnant human myometrium.

J Pharmacol Exp Ther. 2009 Mar;328(3):682-91.

PMID: 19075042

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

EB11006 (1μg/ml) staining of Mouse Brain lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.