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

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB06787 - Goat Anti-Serotonin receptor 1A / HTR1A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** guanine nucleotide-binding regulatory protein-coupled receptor, G protein coupled receptor, 5-HT1a receptor, ADRBRL1, ADRB2RL1, 5-HT1A, HGNC:5286, 5-hydroxytryptamine (serotonin) receptor 1A, HTR1A

**Official Symbol:** HTR1A

**Accession Number(s):** NP\_000515.2

**Human GeneID(s):** [3350](#)

**Important Comments:** No crossreactivity expected with other serotonin receptors

### Immunogen

Peptide with sequence C-KTVKKVEKTGADT, from the internal region of the protein sequence according to NP\_000515.2.

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 1:64000.

**Western blot:** Preliminary experiments gave bands at approx 35kDa and 17kDa in lysates of Human Burkitt's Lymphoma cell line DAUDI after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 46.1kDa according to NP\_000515.2. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). 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

### Background Reference

Newman-Tancredi A, Assie MB, Leduc N, Ormiere AM, Danty N, Cosi C.

Novel antipsychotics activate recombinant human and native rat serotonin 5-HT1A receptors: affinity, efficacy and potential implications for treatment of schizophrenia.

Int J Neuropsychopharmacol. 2005 Feb 11;:1-16 [Epub ahead of print]

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