

## UK Office

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

## EB11740 - Goat Anti-5HT2A Receptor (aa296-309) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 5-HT-2, 5-HT2 receptor, 5-HT2A, 5-HT-2A, 5-hydroxytryptamine (serotonin) receptor 2A, 5-hydroxytryptamine receptor 2A, HTR2, HTR2A, OTTHUMP00000018378, serotonin 5-HT-2A receptor, serotonin receptor 2A

**Official Symbol:** HTR2A

**Accession Number(s):** NP\_000612.1; NP\_001159419.1

**Human GeneID(s):** [3356](#)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_000612.1; NP\_001159419.1).

### Immunogen

Peptide with sequence C-QRSIHREPGSYTGR, from the internal region of the protein sequence according to NP\_000612.1; NP\_001159419.1.

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 1:128000.

**IHC:** Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 2µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A549 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB11740 (2µg/ml) staining of paraffin embedded Human Cerebellum. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

EB11740 Negative Control showing staining of paraffin embedded Human Cerebellum, with no primary antibody.

EB11740 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB11740 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.