



## UK Office

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

## EB07328 - Goat Anti-Serotonin receptor 3A / HTR3A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HTR3A, serotonin receptor, 5-hydroxytryptamine (serotonin) receptor 3A, 5-HT-3, 5-HT3A, 5-HT3R, 5HT3R, HTR3, 5-hydroxytryptamine (serotonin) receptor-3, 5HT3 serotonin receptor, Serotonin-gated ion channel receptor, truncated receptor, containing only 3 transmembrane domains

**Official Symbol:** HTR3A

**Accession Number(s):** NP\_998786.3 NP\_000860.3; NP\_001155244.1

**Human GeneID(s):** [3359](#)

**Important Comments:** This antibody is expected to recognise all three reported isoforms

### Immunogen

Peptide with sequence C-GPQDFEKSPDR, from the internal region of the protein sequence according to NP\_998786.3 NP\_000860.3; NP\_001155244.1.

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 Small Intestine. Recommended concentration: 3.75µg/ml.

**Immunocytochemistry:** This product has been successfully used in ICC on Rat: Lu CL et al, Gastroenterology. 2009 Sep;137(3):1040-50. PMID: 19344720.

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

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human

### Specific Reference

**This antibody has been successfully used in ICC/IF in Rat:**

Lu CL, Hsieh JC, Dun NJ, Oprea TI, Wang PS, Luo JC, Lin HC, Chang FY, Lee SD. Estrogen rapidly modulates 5-hydroxytryptophan-induced visceral hypersensitivity via GPR30 in rats.

Gastroenterology. 2009 Sep;137(3):1040-50.

PMID: 19344720

EB07328 Flow cytometric analysis of paraformaldehyde fixed HeLa 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.

EB07328 (3.75µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.