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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_998786.2; NP_000860.2; NP_001155244.1

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

Important Comments: This antibody is expected to recognise all three reported isoforms (NP_998786.2; NP_000860.2; NP_001155244.1).

Immunogen

Peptide with sequence C-GPQDFEKSPDR, from the internal region of the protein sequence according to NP_998786.2; NP_000860.2; 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.

Western blot: Approx 55kDa band observed in Human Colon lysates (calculated MW of 55.3kDa according to NP_000860.2. Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 200kDa. This band was successfully blocked by incubation with the immunising peptide.

IHC: Paraffin embedded Human Small Intestine. Recommended concentration: 3.75µg/ml.

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

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 (0.3µg/ml) staining of Human Colon lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

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