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

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_000860.1. Recommended concentration: 0.3-1µg/ml. An additional band of unknown identity was also consistently observed at 200kDa. This band was successfully blocked by incubation with the immunising peptide. 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?

Immunocytochemistry/Immunofluorescence: This antibody has been successfully used in ICC/IF for rat neurons as described in the following paper: Lu et al, Gastroenterology. 2009 Sep;137(3):1040-50.; PMID: 19344720.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human

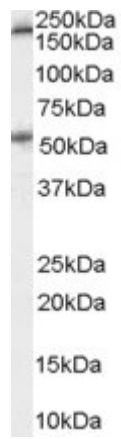
Specific Reference

This antibody has been successfully used in the following paper:

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 (0.3 μ g/ml) staining of Human Colon lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.