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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

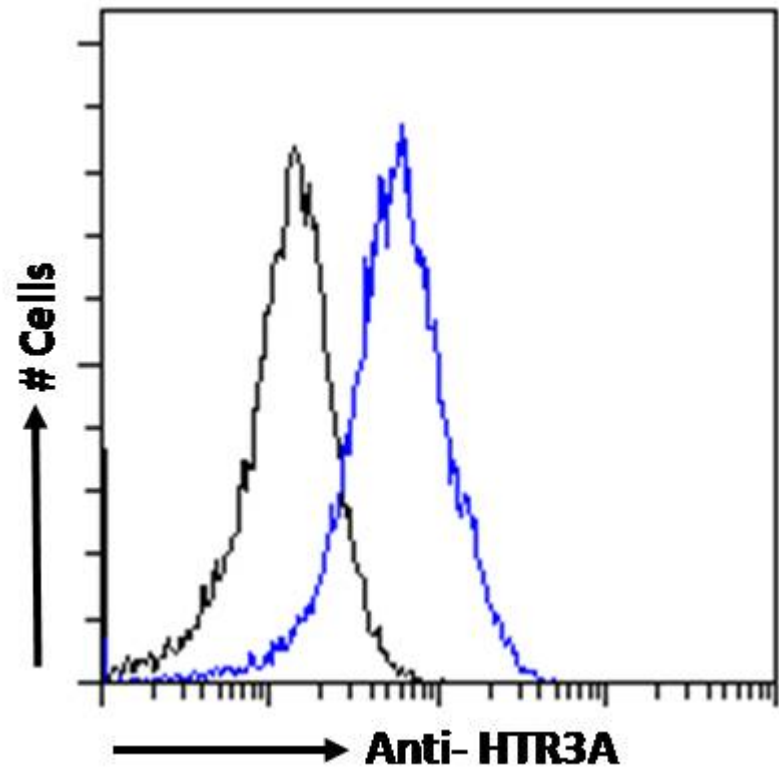
Specific Reference

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

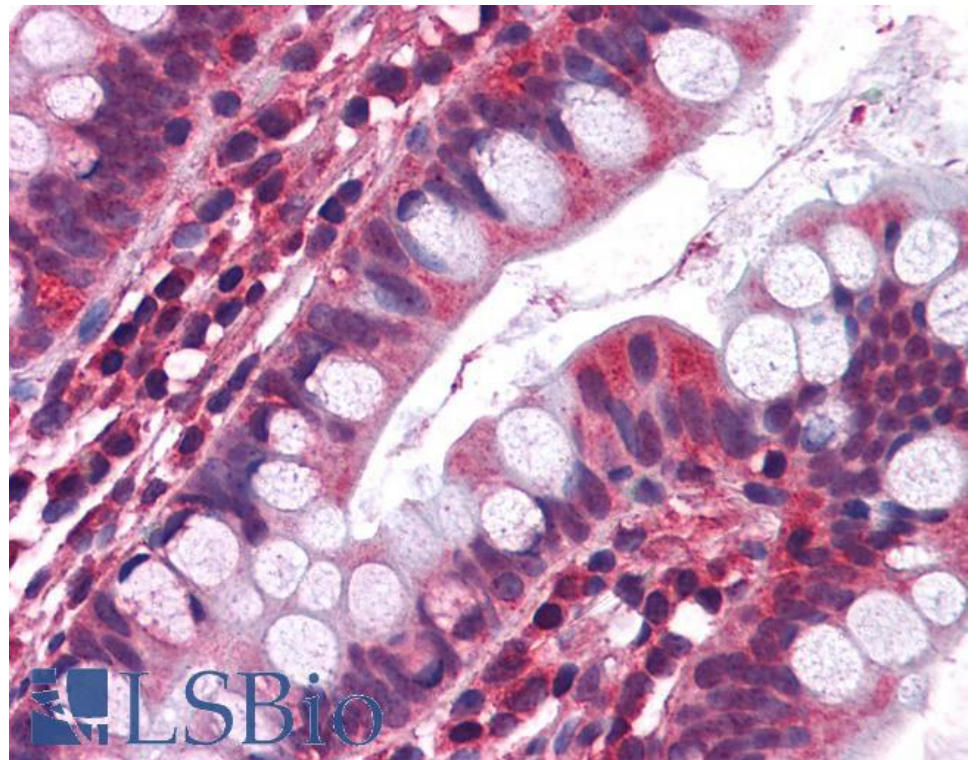
Lu CL, Hsieh JC, Dun NJ, Oprea TI, Wang PS, Luo JC, Lin HC, Chang FY, Lee SD. Estrogen rapidly modulates 5-hydroxytryptophan-induced visceral hypersensitivity via GPR30 in rats.

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.