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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.

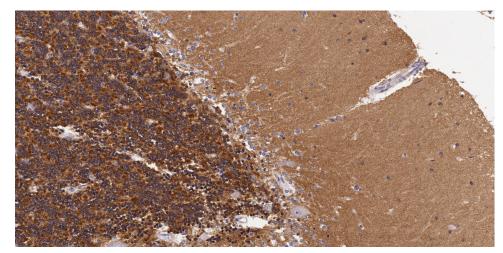
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A549 cells. Recommended concentration: 10µg/ml.

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

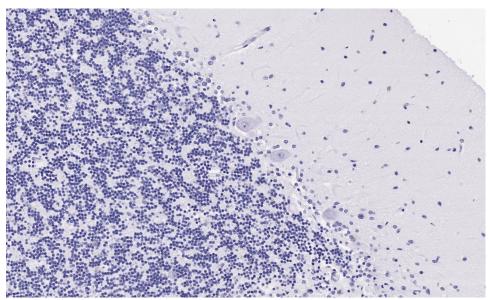
Species Reactivity

Tested: Human

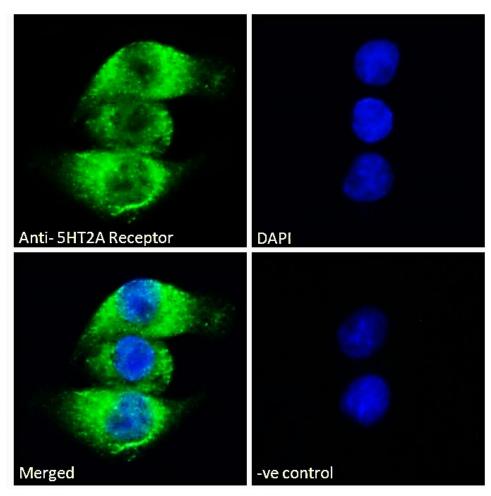
Expected from sequence similarity: Human



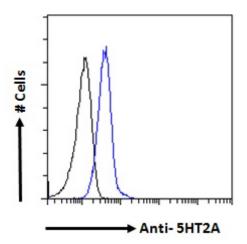
 $EB11740~(2\mu g/ml)~staining~of~paraffin~embedded~Human~Cerebellum.~Microwaved~antigen~retrieval~with~citrate~buffer~pH~6,~HRP-staining.$



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.