

Goat Anti-Serotonin receptor 2C / HTR2C Antibody
Peptide-affinity purified goat antibody
Catalog # AF1974a

Specification

Goat Anti-Serotonin receptor 2C / HTR2C Antibody - Product Information

Application	WB
Primary Accession	P28335
Other Accession	NP_000859 , 3358
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	51805

Goat Anti-Serotonin receptor 2C / HTR2C Antibody - Additional Information

Gene ID 3358

Other Names

5-hydroxytryptamine receptor 2C, 5-HT-2C, 5-HT2C, 5-HTR2C, 5-hydroxytryptamine receptor 1C, 5-HT-1C, 5-HT1C, Serotonin receptor 2C, HTR2C, HTR1C

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Serotonin receptor 2C / HTR2C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Serotonin receptor 2C / HTR2C Antibody - Protein Information

Name HTR2C ([HGNC:5295](#))

Synonyms HTR1C

Function

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including ergot alkaloid derivatives, 1-2,5,-dimethoxy-4-iodophenyl-2-aminopropane (DOI) and lysergic acid diethylamide (LSD). Ligand

binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling activates a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and down-stream signaling cascades and promotes the release of Ca^{2+} ions from intracellular stores. Regulates neuronal activity via the activation of short transient receptor potential calcium channels in the brain, and thereby modulates the activation of pro-opiomelanocortin neurons and the release of CRH that then regulates the release of corticosterone. Plays a role in the regulation of appetite and eating behavior, responses to anxiogenic stimuli and stress. Plays a role in insulin sensitivity and glucose homeostasis.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain..

Goat Anti-Serotonin receptor 2C / HTR2C Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Serotonin receptor 2C / HTR2C Antibody - Images

AF1974a (1 $\mu\text{g}/\text{ml}$) staining of EBV immortalised Lymphoblastoid lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.