

5HT2C Receptor Antibody
Rabbit mAb
Catalog # AP91410**Specification**

5HT2C Receptor Antibody - Product Information

Application	WB
Primary Accession	P28335
Reactivity	Rat
Clonality	Monoclonal
Other Names	
5-HT-1C; 5-HT-2C; 5-HT1C; 5-HT2C; 5-HTR2C; 5HT1C; 5HT2C; 5HTR2C; 5Hydroxytryptamine 2C receptor; Htr1c; HTR2C;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	51821 Da

5HT2C Receptor Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human 5HT2C Receptor
Description	This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

5HT2C Receptor Antibody - Protein Information**Name** HTR2C ([HGNC:5295](#))**Synonyms** HTR1C**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:12970106, PubMed:18703043, PubMed:18703043)

[19057895](http://www.uniprot.org/citations/19057895), PubMed: [29398112](http://www.uniprot.org/citations/29398112), PubMed: [7895773](http://www.uniprot.org/citations/7895773)). 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) (PubMed: [19057895](http://www.uniprot.org/citations/19057895), PubMed: [29398112](http://www.uniprot.org/citations/29398112)). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed: [18703043](http://www.uniprot.org/citations/18703043), PubMed: [29398112](http://www.uniprot.org/citations/29398112)). HTR2C is coupled to G(q)/G(11) G alpha proteins and activates phospholipase C-beta, releasing diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) second messengers that modulate the activity of phosphatidylinositol 3-kinase and promote the release of Ca(2+) ions from intracellular stores, respectively (PubMed: [18703043](http://www.uniprot.org/citations/18703043), PubMed: [29398112](http://www.uniprot.org/citations/29398112)). Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways (PubMed: [29398112](http://www.uniprot.org/citations/29398112)). 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 (By similarity). Plays a role in the regulation of appetite and eating behavior, responses to anxiogenic stimuli and stress (By similarity). Plays a role in insulin sensitivity and glucose homeostasis (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

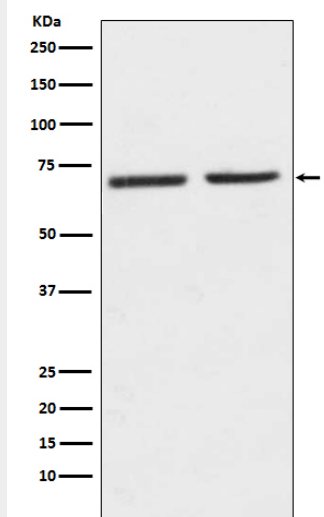
Detected in brain..

5HT2C Receptor 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](#)

5HT2C Receptor Antibody - Images



Western blot analysis of 5HT2C Receptor expression in (1) SH-SY5Y cell lysate; (2) Mouse kidney lysate.