10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTR2C Blocking Peptide
Catalog # PBV10310b

Specification

HTR2C Blocking Peptide - Product Information

Primary Accession	P28335
Gene ID	3358
Calculated MW	51805

HTR2C Blocking Peptide - Additional Information

Gene ID 3358

Application & Usage	**The peptide is used for blocking the antibody activity of HTR2C. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

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

Target/Specificity
HTR2C

Formulation
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
HTR2C Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

HTR2C Blocking Peptide - 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-opiomelacortin 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..

HTR2C Blocking Peptide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTR2C Blocking Peptide - Images