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# 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