

HTR1D Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19163b**Specification**

HTR1D Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P28221](#)**HTR1D Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3352**Other Names**

5-hydroxytryptamine receptor 1D, 5-HT-1D, 5-HT1D, Serotonin 1D alpha receptor, 5-HT-1D-alpha, Serotonin receptor 1D, HTR1D, HTR1DA, HTRL

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HTR1D Antibody (C-term) Blocking Peptide - Protein Information**Name** HTR1D**Synonyms** HTR1DA, HTRL**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Regulates the release of 5-hydroxytryptamine in the brain, and thereby affects neural activity. May also play a role in regulating the release of other neurotransmitters. May play a role in vasoconstriction.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain neocortex and caudate nucleus (at protein level).

HTR1D Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HTR1D Antibody (C-term) Blocking Peptide - Images

HTR1D Antibody (C-term) Blocking Peptide - Background

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. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity.

HTR1D Antibody (C-term) Blocking Peptide - References

Middeldorp, C.M., et al. Genes Brain Behav. 9(7):808-816(2010) Kiezebrink, K., et al. World J. Biol. Psychiatry 11(6):824-833(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Goswami, D.B., et al. J. Neurochem. 112(2):397-409(2010)