

**HTR1B Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14575c****Specification**

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**HTR1B Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P28222](#)**HTR1B Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3351**Other Names**

5-hydroxytryptamine receptor 1B, 5-HT-1B, 5-HT1B, S12, Serotonin 1D beta receptor, 5-HT-1D-beta, Serotonin receptor 1B, HTR1B, HTR1DB

**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.

**HTR1B Antibody (Center) Blocking Peptide - Protein Information****Name** HTR1B**Synonyms** HTR1DB**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, such as 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, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

Detected in cerebral artery smooth muscle cells (at protein level). Detected in brain cortex,

striatum, amygdala, medulla, hippocampus, caudate nucleus and putamen.

### **HTR1B Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **HTR1B Antibody (Center) Blocking Peptide - Images**

### **HTR1B Antibody (Center) Blocking Peptide - Background**

The neurotransmitter serotonin (5-hydroxytryptamine; 5-HT) exerts a wide variety of physiologic functions through a multiplicity of receptors and may be involved in human neuropsychiatric disorders such as anxiety, depression, or migraine. These receptors consist of several main groups subdivided into several distinct subtypes on the basis of their pharmacologic characteristics, coupling to intracellular second messengers, and distribution within the nervous system (Zifa and Fillard, 1992 [PubMed 1359584]). The serotonergic receptors belong to the multigene family of receptors coupled to guanine nucleotide-binding proteins.

### **HTR1B Antibody (Center) Blocking Peptide - References**

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