

**Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17527****Specification****Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC-P
Primary Accession	<a href="#">P28222</a>
Predicted	Human, Mouse, Rat, Rabbit, Hamster, Pig, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43568

**Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) - Additional Information****Gene ID** 3351**Alias Symbol** HTR1B**Other Names**

HTR1B, 5-HT-1B, 5-HT-1D-beta, 5-HT1B, 5-HT1b receptor, 5-HT1DB, 5HT1B Receptor, HTR1DB, Serotonin 5-HT-1b receptor, Serotonin receptor 1B, Serotonin 1b receptor, HTR1D2, Serotonin 1D beta receptor

**Target/Specificity**

Human 5HT1B Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) - 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.

**Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) - 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](#)

**Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) - Images****Anti-HTR1B / 5-HT1B Receptor Antibody (Cytoplasmic Domain) - Citations**

- [Methamphetamine leads to the alterations of microRNA profiles in the nucleus accumbens of rats](#)