

## Rabbit HTR1B Polyclonal Antibody | anti-HTR1B antibody

HTR1B Antibody

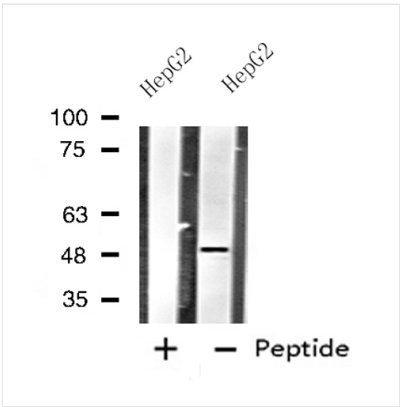
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA325462 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

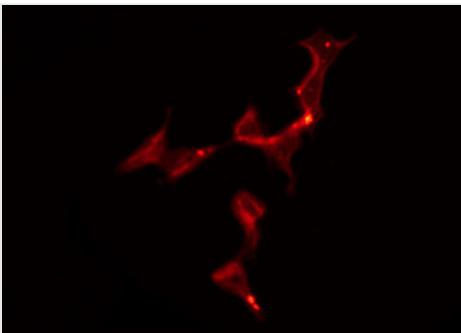
HTR1B; Polyclonal Antibody; HTR1B Antibody; 5 HT1DB; 5 hydroxytryptamine receptor 1B; 5-HT-1B; 5-HT-1D-beta; 5-HT1B; 5-hydroxytryptamine receptor 1B; 5HT1B\_HUMAN; Htr1b; HTR1D2; HTR1DB; S12; Serotonin 1D beta receptor; Serotonin receptor 1B; anti-HTR1B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                               |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                                           |
| Isotype                                         | IgG                                                                                                                                                                  |
| Specificity                                     | HTR1B antibody detects endogenous levels of total HTR1B                                                                                                              |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                        |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                        |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                               |
| Sequence Length                                 | 390                                                                                                                                                                  |
| Applicable Applications for anti-HTR1B antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                         |
| Immunogen                                       | A synthesized peptide                                                                                                                                                |
| Subcellular Location                            | Cell Membrane                                                                                                                                                        |
| Tissue Specificity                              | Detected in cerebral artery smooth muscle cells (at protein level). Detected in brain cortex, striatum, amygdala, medulla, hippocampus, caudate nucleus and putamen. |
| Conjugation                                     | Unconjugated                                                                                                                                                         |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                    |



**WB (Western Blot)**  
Western blot analysis of extracts from HepG2 cells using HTR1B antibody.



**IF (Immunofluorescence)**  
AAA325462 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-HTR1B antibody</b> | <p>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.</p> <p>Subunit Structure: Homodimer. Heterodimer with HTR1D.</p> <p>Post-translational Modifications: Phosphorylated. Desensitization of the receptor may be mediated by its phosphorylation. Palmitoylated.</p> <p>Similarity: Ligands are bound in a hydrophobic pocket formed by the transmembrane helices. Belongs to the G-protein coupled receptor 1 family.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 4504533                                                     |
| NCBI GeneID                      | 3351                                                        |
| NCBI Accession #                 | NP_000854.1                                                 |
| NCBI GenBank Nucleotide #        | NM_000863.2                                                 |
| UniProt Accession #              | P28222; Q4VAY7                                              |
| Molecular Weight                 | Observed: 48 kD<br>Predicted: 44 kDa                        |
| NCBI Official Full Name          | 5-hydroxytryptamine receptor 1B                             |
| NCBI Official Synonym Full Names | 5-hydroxytryptamine receptor 1B                             |
| NCBI Official Symbol             | HTR1B                                                       |
| NCBI Official Synonym Symbols    | S12; 5-HT1B; HTR1D2; HTR1DB; 5-HT-1B; 5-HT1DB; 5-HT-1D-beta |
| NCBI Protein Information         | 5-hydroxytryptamine receptor 1B                             |
| UniProt Protein Name             | 5-hydroxytryptamine receptor 1B                             |
| UniProt Gene Name                | HTR1B                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/htr1b-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325462>