

**HTR1D Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19163b****Specification**

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**HTR1D Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P28221</a>
Other Accession	<a href="#">P28565</a> , <a href="#">P49145</a> , <a href="#">P79400</a> , <a href="#">Q61224</a> , <a href="#">NP_000855.1</a>
Reactivity	Mouse
Predicted	Pig, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41907
Antigen Region	272-301

**HTR1D Antibody (C-term) - 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

**Target/Specificity**

This HTR1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-301 amino acids from the C-terminal region of human HTR1D.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HTR1D Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HTR1D Antibody (C-term) - 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

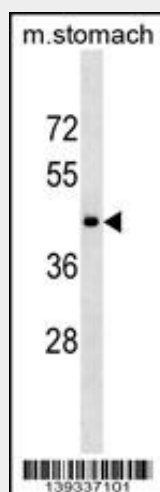
**Tissue Location**

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

**HTR1D Antibody (C-term) - 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](#)

**HTR1D Antibody (C-term) - Images**

HTR1D Antibody (C-term) (Cat. #AP19163b) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the HTR1D antibody detected the HTR1D protein (arrow).

**HTR1D Antibody (C-term) - 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) - 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) :  
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