

HTR7 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16398b**Specification**

HTR7 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P34969
Other Accession	NP_062873.1 , NP_000863.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	53555
Antigen Region	405-433

HTR7 Antibody (C-term) - Additional Information**Gene ID** 3363**Other Names**

5-hydroxytryptamine receptor 7, 5-HT-7, 5-HT7, 5-HT-X, Serotonin receptor 7, HTR7

Target/Specificity

This HTR7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 405-433 amino acids from the C-terminal region of human HTR7.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

HTR7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR7 Antibody (C-term) - Protein Information**Name** HTR7 {ECO:0000303|Ref.3, ECO:0000312|HGNC:HGNC:5302}**Function** G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone

that functions as a neurotransmitter, a hormone and a mitogen (PubMed:[35714614](#), PubMed:[8226867](#)). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed:[35714614](#), PubMed:[8226867](#)). HTR7 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:[35714614](#)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

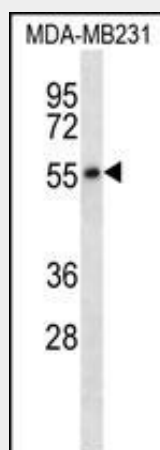
[Isoform A]: Predominant isoform in spleen, caudate and hippocampus. [Isoform D]: Minor isoform in terms of expression.

HTR7 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](#)

HTR7 Antibody (C-term) - Images



HTR7 Antibody (C-term) (Cat. #AP16398b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the HTR7 antibody detected the HTR7 protein (arrow).

HTR7 Antibody (C-term) - Background

The neurotransmitter, serotonin, is thought to play a role in various cognitive and behavioral functions. The serotonin receptor encoded by this gene belongs to the superfamily of G protein-coupled receptors and the gene is a candidate locus for involvement in autistic disorder and other neuropsychiatric disorders. Three splice variants have been identified which encode proteins that differ in the length of their carboxy terminal ends.

HTR7 Antibody (C-term) - References

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) :
Corominas, R., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 177-184 (2010) :
Wei, Z., et al. Prog. Neuropsychopharmacol. Biol. Psychiatry 33(3):547-551(2009)
Iceta, R., et al. J. Physiol. Pharmacol. 60(1):157-164(2009)