

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10579**Specification****HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC-P
Primary Accession	P28566
Reactivity	Human, Monkey, Chicken, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa
Dilution	IHC-P~~N/A

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 3354**Other Names**

5-hydroxytryptamine receptor 1E, 5-HT-1E, 5-HT1E, S31, Serotonin receptor 1E, HTR1E

Target/Specificity

Human 5HT1E Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except HTR1F (65%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Protein Information**Name** HTR1E ([HGNC:5291](#))**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:14744596, PubMed:1513320, PubMed:1608964, PubMed:1733778, PubMed:21422162, PubMed:33762731). Also functions as a receptor for various alkaloids and psychoactive substances (PubMed:14744596, PubMed:1513320, PubMed:1608964, PubMed:1733778, PubMed:21422162, PubMed:33762731).

[1608964](http://www.uniprot.org/citations/1608964), PubMed: [1733778](http://www.uniprot.org/citations/1733778), PubMed: [21422162](http://www.uniprot.org/citations/21422162), PubMed: [33762731](http://www.uniprot.org/citations/33762731)). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed: [14744596](http://www.uniprot.org/citations/14744596), PubMed: [1513320](http://www.uniprot.org/citations/1513320), PubMed: [1608964](http://www.uniprot.org/citations/1608964), PubMed: [1733778](http://www.uniprot.org/citations/1733778), PubMed: [21422162](http://www.uniprot.org/citations/21422162), PubMed: [33762731](http://www.uniprot.org/citations/33762731)). HTR1E is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission by inhibiting adenylate cyclase activity (PubMed: [33762731](http://www.uniprot.org/citations/33762731), PubMed: [35610220](http://www.uniprot.org/citations/35610220)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in brain..

Volume

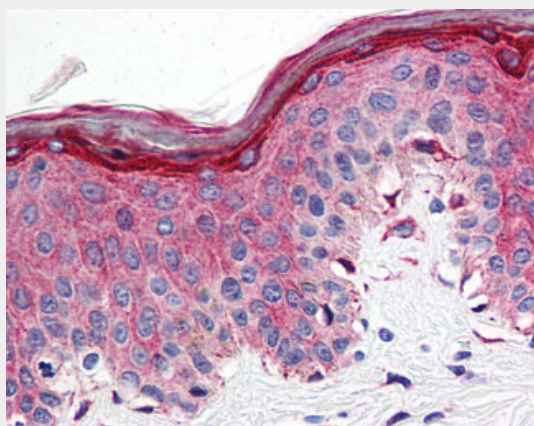
50 µl

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Protocols

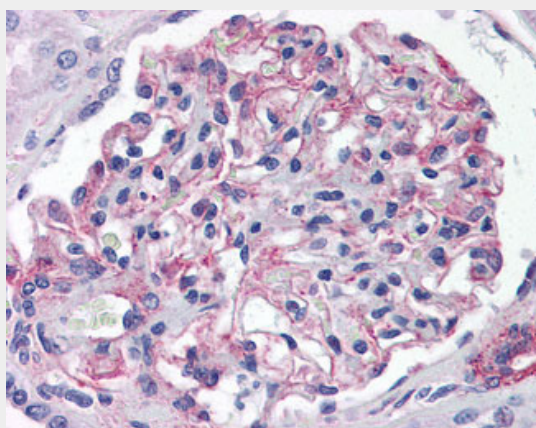
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Images



Anti-5HT1E Receptor antibody ALS10579 IHC of human skin.



Anti-5HT1E Receptor antibody ALS10579 IHC of human kidney.

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Background

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various alkaloids and 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.

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - References

- McAllister G.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:5517-5521(1992).
Levy F.O.,et al.FEBS Lett. 296:201-206(1992).
Zgombick J.M.,et al.Mol. Pharmacol. 42:180-185(1992).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).