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HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10579

Specification

HTR1E / 5-HT1E Receptor Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	P28566
Reactivity	**Human, Monkey, Chicken, Horse, Bovine, Guinea Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42kDa KDa**

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:<a

href="http://www.uniprot.org/citations/1733778" target="_blank">1733778, PubMed:21422162, PubMed: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, PubMed:1513320, PubMed:1608964, PubMed:1733778, PubMed:21422162, PubMed:33762731). HTR1E is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission by inhibiting adenylate cyclase activity (PubMed:33762731, PubMed:35610220).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Detected in brain..

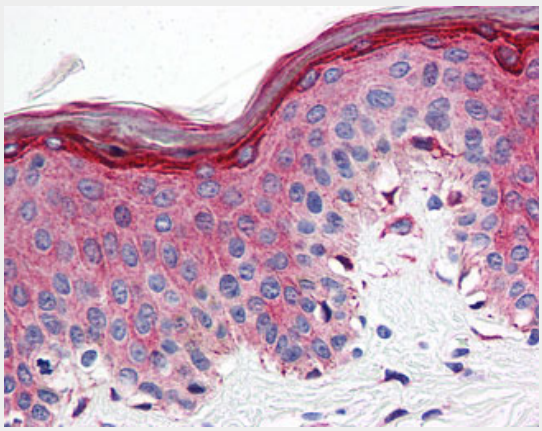
Volume
50 µl

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 Cytomety
- Cell Culture

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



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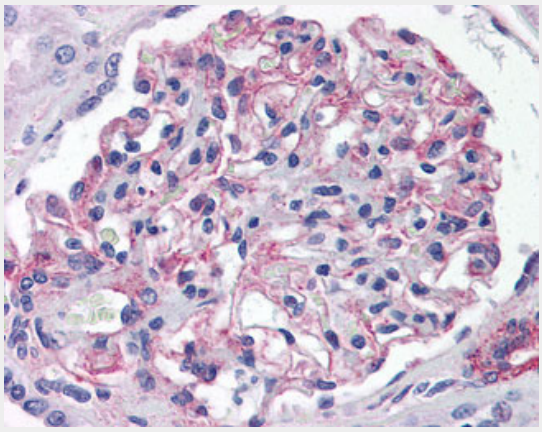
Anti-5HT1E Receptor antibody ALS10579 IHC of human skin.



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

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Levy F.O.,et al.FEBS Lett. 296:201-206(1992).
Zgombick J.M.,et al.Mol. Pharmacol. 42:180-185(1992).
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