

HTR1E Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21709b

Specification

HTR1E Antibody (C-Term) - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Isotype
Calculated MW

WB, IHC-P,E
P28566
Human
Rabbit
polyclonal
Rabbit IgG
41682

HTR1E Antibody (C-Term) - Additional Information

Gene ID 3354

Other Names

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

Target/Specificity

This HTR1E antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 223-258 amino acids from human HTR1E.

Dilution

WB~~1:2000 IHC-P~~1:25

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

HTR1E Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR1E Antibody (C-Term) - 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). 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

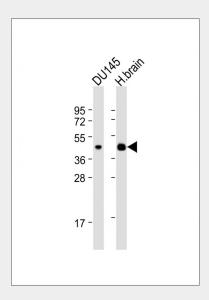
Tissue Location
Detected in brain...

HTR1E Antibody (C-Term) - Protocols

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

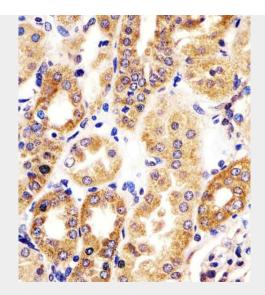
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTR1E Antibody (C-Term) - Images



All lanes : Anti-HTR1E Antibody (C-Term) at 1:2000 dilution Lane 1: DU145 whole cell lysate Lane 2: human brain lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit lgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





AP21709b staining HTR1E in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

HTR1E Antibody (C-Term) - 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 Antibody (C-Term) - 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).