

# HTR1E Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5621

## Product Information

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Application	IHC, WB
Primary Accession	<a href="#">P28566</a>
Other Accession	<a href="#">Q6VB83</a> , <a href="#">Q9N2B6</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41682
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

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Gene ID	3354
Antigen Region	223-258
Other Names	5-hydroxytryptamine receptor 1E, 5-HT-1E, 5-HT1E, S31, Serotonin receptor 1E, HTR1E
Dilution	IHC~~1:100~500 WB~~0.25
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.
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.

## Protein Information

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Name	HTR1E ( <a href="#">HGNC:5291</a> )
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed: <a href="#">14744596</a> , PubMed: <a href="#">1513320</a> , PubMed: <a href="#">1608964</a> , PubMed: <a href="#">1733778</a> , PubMed: <a href="#">21422162</a> , PubMed: <a href="#">33762731</a> ). Also functions as a receptor for various alkaloids and psychoactive substances (PubMed: <a href="#">14744596</a> , PubMed: <a href="#">1513320</a> , PubMed: <a href="#">1608964</a> , PubMed: <a href="#">1733778</a> , PubMed: <a href="#">21422162</a> , PubMed: <a href="#">33762731</a> ). 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..

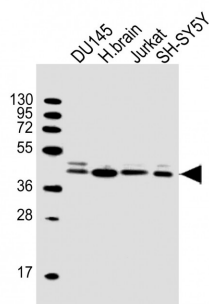
## Background

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.

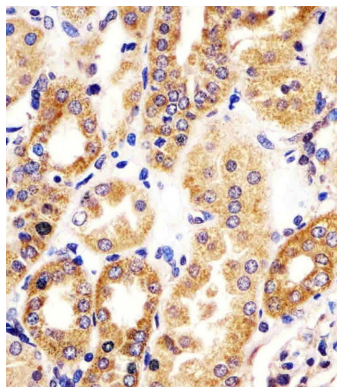
## References

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).

## Images



All lanes : Anti-HTR1E Antibody (C-Term) at 1:2000 dilution Lane 1: DU145 whole cell lysate Lane 2: human brain lysate Lane 3: Jurkat whole cell lysate Lane 4: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AW5619 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.