

HTR4 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI16201**Specification**

HTR4 antibody - middle region - Product Information

Application	WB
Primary Accession	Q13639
Other Accession	NM_000870 , NP_000861
Reactivity	Human, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

HTR4 antibody - middle region - Additional Information**Gene ID** 3360

Alias Symbol	5-HT4, 5-HT4R
Other Names	5-hydroxytryptamine receptor 4, 5-HT-4, 5-HT4, Serotonin receptor 4, HTR4

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HTR4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HTR4 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

HTR4 antibody - middle region - Protein Information**Name** HTR4 ([HGNC:5299](#))**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed:10821780, PubMed:16102731, PubMed:35714614, PubMed:9603189). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G

proteins) and modulates the activity of downstream effectors (PubMed:16102731, PubMed:35714614). HTR4 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:16102731, PubMed:35714614).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endosome membrane {ECO:0000250|UniProtKB:P97288}; Multi-pass membrane protein. Note=Interaction with SNX27 mediates recruitment to early endosomes, while interaction with NHERF1 and EZR might target the protein to specialized subcellular regions, such as microvilli. {ECO:0000250|UniProtKB:P97288}

Tissue Location

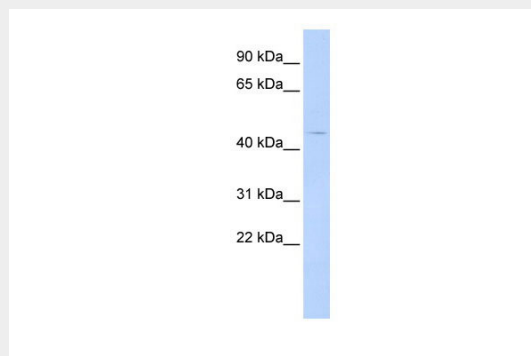
[Isoform 5-HT4(A)]: Expressed in ileum, brain, and atrium, but not in the ventricle. [Isoform 5-HT4(I)]: Expressed in all cardiovascular tissues analyzed.

HTR4 antibody - middle region - 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](#)

HTR4 antibody - middle region - Images



WB Suggested Anti-HTR4 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:2500

Positive Control: HepG2 cell lysate

HTR4 antibody - middle region - Background

This is one of the several different receptors for 5- hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase.

HTR4 antibody - middle region - References

Blondel O.,et al.J. Neurochem. 70:2252-2261(1998).
Van den Wyngaert I.,et al.Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
Claeysen S.,et al.NeuroReport 8:3189-3195(1997).
Syversveen T.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
Claeysen S.,et al.Mol. Pharmacol. 55:910-920(1999).