

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10143

Specification

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	Q13639
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 3360

Other Names

5-hydroxytryptamine receptor 4, 5-HT-4, 5-HT4, Serotonin receptor 4, HTR4

Target/Specificity

Human 5HT4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

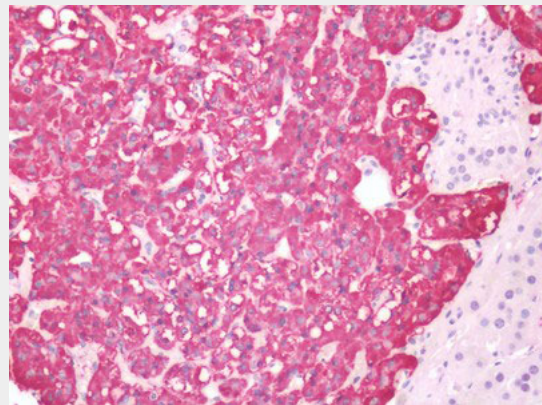
HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - Protein Information

Name HTR4

Function

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.



Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - 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 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - 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.
- Claeyssen S.,et al.NeuroReport 8:3189-3195(1997).
- Syversveen T.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
- Claeyssen S.,et al.Mol. Pharmacol. 55:910-920(1999).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endosome. Note=Interaction with SNX27 mediates recruitment to early endosomes, while interaction with SLC9A3R1 and EZR might target the protein to specialized subcellular regions, such as microvilli

Tissue Location

Isoform 5-HT4(A) is expressed in ileum, brain, and atrium, but not in the ventricle.

HTR4 / 5-HT4 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](#)