

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10570**Specification****HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC-P
Primary Accession	Q13639
Reactivity	Human, Rabbit, Monkey, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa KDa
Dilution	IHC-P ~ ~ N/A

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 ([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

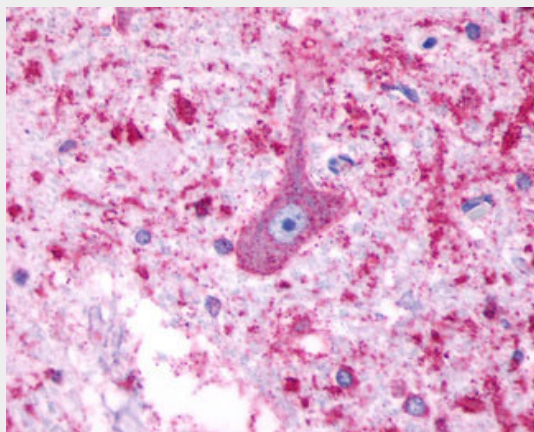
[Isoform 5-HT4(A)]: Expressed in ileum, brain, and atrium, but not in the ventricle. [Isoform 5-HT4(I)]: Expressed in all cardiovascular tissues analyzed.

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - Protocols

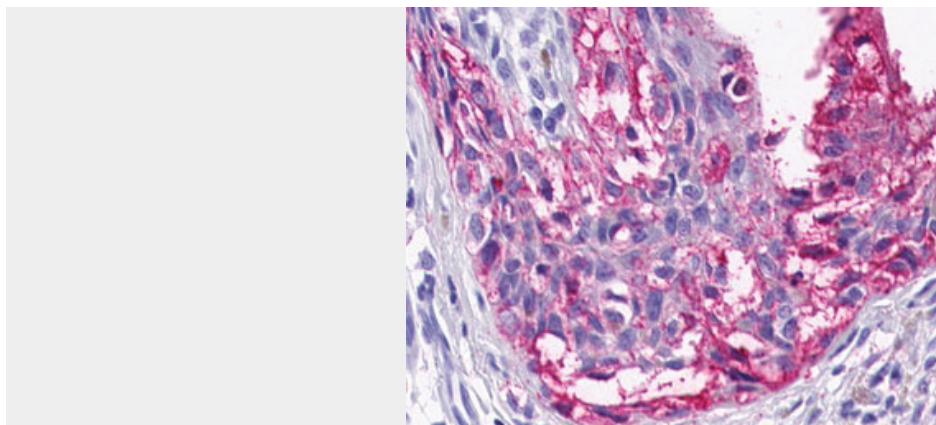
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR4 / 5-HT4 Receptor Antibody (Cytoplasmic Domain) - Images



Anti-5HT4 Receptor antibody ALS10570 IHC of human brain, medulla.



Anti-HTR4 / 5-HT4 Receptor antibody IHC of human Skin, Melanoma.

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.
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).