

Rabbit anti-Human, Rat HTR4 Polyclonal Antibody | anti-HTR4 antibody

HTR4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325464	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

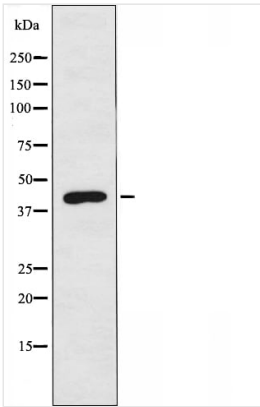
PRODUCT SYNONYMS

HTR4; Polyclonal Antibody; HTR4 Antibody; 5 HT 4; 5 HT4; 5 HT4R; 5 hydroxytryptamine (serotonin) receptor 4; G protein coupled; 5 hydroxytryptamine 4 receptor; 5 hydroxytryptamine receptor 4; 5 hydroxytryptamine serotonin receptor 4; 5 hydroxytryptamine4 receptor; 5-HT-4; 5-ht4; 5-HT4R; 5H4; 5HT 4; 5HT4; 5ht4 receptor; 5HT4R; Cardiac 5 HT4 receptor; HTR 4; serotonin 4 receptor; Serotonin 5 HT4 receptor; serotonin 5-ht-4 receptor; serotonin 5-ht-4a; Serotonin receptor 4; anti-HTR4 antibody

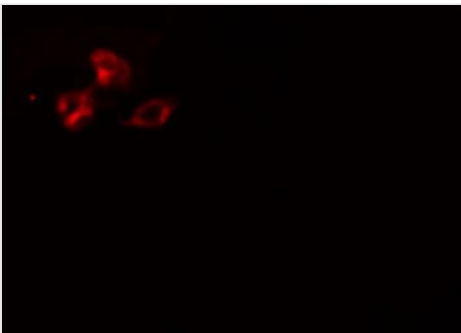
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HTR4 antibody detects endogenous levels of total HTR4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	388
Applicable Applications for anti-HTR4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane; Multipass 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 Specificity	Isoform 5-HT4(A) is expressed in ileum, brain, and atrium, but not in the ventricle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from NIH-3T3 cells, using HTR4 antibody.



IF (Immunofluorescence)
AAA325464 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR4 antibody	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. Subunit Structure: Isoform 5-HT4(A) interacts with MAGI2, MPP3, SLC9A3R1 and SNX27 isoforms 1 and 2. Isoform 5-HT4(E) interacts with PATJ, NOS1 and SEC23A. Isoform 5-HT4(A) forms a complex including SLC9A3R1 and EZR (By similarity). Interacts (via C-terminus 330-346 AA) with GRK5; this interaction is promoted by 5-HT (serotonin). Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11321563
NCBI GeneID	3360
NCBI Accession #	NP_000861.1
NCBI GenBank Nucleotide #	NM_000870.6
UniProt Accession #	Q13639; Q546Q1; Q684M0; Q712M9; Q96KH9; Q96KI0; Q9H199; Q9NY73; Q9UBM6; Q9UBT4; Q9UE22; C4WYH4
Molecular Weight	Observed: 43 kD Predicted: 44 kDa
NCBI Official Full Name	5-hydroxytryptamine receptor 4 isoform b
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 4
NCBI Official Symbol	HTR4
NCBI Official Synonym Symbols	5-HT4; 5-HT4R
NCBI Protein Information	5-hydroxytryptamine receptor 4
UniProt Protein Name	5-hydroxytryptamine receptor 4
UniProt Gene Name	HTR4
UniProt Synonym Gene Names	5-HT-4; 5-HT4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

