

Rabbit HTR7 / 5-HT7 Receptor Polyclonal Antibody | anti-HTR7 antibody

Rabbit Polyclonal to Human HTR7 / 5-HT7 Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51376	Rabbit	Human Predicted Reactivity: Gorilla (at least 90% immunogen sequence identity)	Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

HTR7 / 5-HT7 Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human HTR7 / 5-HT7 Receptor; Anti-HTR7 / 5-HT7 Receptor Antibody (C-Terminus) IHC-plus; HTR7; 5-HT7; 5-HT7 receptor; 5-HT-7; 5-hydroxytryptamine 7 receptor; 5HT7; 5-HT-X; 5-hydroxytryptamine receptor 7; 5HT7 Receptor; HT7; Serotonin 5-HT7 receptor; Serotonin receptor 7; Human HTR7; 5-HT7 Receptor; anti-HTR7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Gorilla (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human 5HT7 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except SEMA6C (56%), SSTR3 (50%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	479
Applicable Applications for anti-HTR7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from C-terminus of human 5HT7 Receptor. Percent identity with other species by BLAST analysis: Human (100%); Gorilla (94%); Gibbon (88%); Monkey (81%).
Immunogen Type	Synthetic peptide
Immunogen	HTR7 / 5-HT7 Receptor antibody was raised against synthetic 16 amino acid peptide from C-terminus of human 5HT7 Receptor. Percent identity with other species by BLAST analysis: Human (100%); Gorilla (94%); Gibbon (88%); Monkey (81%).
Antigen Modification	C-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohiostchemistry)
Anti-HT7 / 5-HT7 antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 19 ug/ml.



IHC (Immunohistochemistry)
Anti-HT7 / 5-HT7 antibody IHC of human brain, cortex, neurons. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 19 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR7 antibody	5-HT7 Receptor (HTR7)is a serotonin receptor with several functions, including regulation of the circadian rhythm and mediation of smooth-muscle relaxation in the vasculature and GI tract. HTR7 has been implicated in depression, autistic, and other neuropsychiatric disorders. Three protein isoforms have been documented: isoform a: 445aa; isoform b: 432aa; isoform d: 479aa.
Product Categories/Family for anti-HTR7 antibody	Family: GPCR; Subfamily: Serotonin

NCBI AND UNIPROT INFORMATION

NCBI GI #	10880129
NCBI GeneID	3363
NCBI Accession #	NP_062873.1
NCBI GenBank Nucleotide #	NM_019859.3
UniProt Accession #	P34969; P78336; P78372; P78516; Q5VX01; Q5VX02; Q5VX03; B5BUP6
Molecular Weight	47,984 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 7 isoform d
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 7, adenylate cyclase-coupled
NCBI Official Symbol	HTR7
NCBI Official Synonym Symbols	5-HT7
NCBI Protein Information	5-hydroxytryptamine receptor 7; 5-HT-7; 5-HT-X; 5-hydroxytryptamine (serotonin) receptor 7 (adenylate cyclase-coupled)
UniProt Protein Name	5-hydroxytryptamine receptor 7
UniProt Gene Name	HTR7
UniProt Synonym Gene Names	5-HT-7; 5-HT7
UniProt Entry Name	5HT7R_HUMAN

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.