

Rabbit anti-Human HTR4/5-HT4 Polyclonal Antibody | anti-HTR4 antibody

Anti-HTR4/5-HT4 Antibody, Rabbit Polyclonal

CATALOG # AAA255100	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

HTR4/5-HT4; Polyclonal Antibody; Anti-HTR4/5-HT4 Antibody; Rabbit Polyclonal; HTR4/5-HT4 Antibody; Rabbit PAb; Antigen Affinity Purified; 5-hydroxytryptamine (serotonin) receptor 4; G protein-coupled; Anti-5-HT4 Antibody; Anti-5-HT4R Antibody; anti-HTR4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HTR4/5-HT4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-HTR4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human HTR4/5-HT4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human HTR4/5-HT4, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

HTR4 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-HTR4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-HTR4 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 43 kDa.



WB (Western Blot)

Anti-HTR4 rabbit polyclonal antibody at 1:500 dilution. Lane A: SW480 Whole Cell Lysate. Lane B: HeLa Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 44 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR4 antibody	HTR4 (5-Hydroxytryptamine Receptor 4, also known as 5-HT4R) is a Protein Coding gene. This gene is a member of the family of serotonin receptors, which are G protein-coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The encoded protein is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. 5-HTR3 and 5-HTR4 were located in cardiac mitochondria, and regulated mitochondrial activities and cellular functions. Noncoding variants in HTR4 are associated with pulmonary function in human GWASs. The HTR4 gene is located in a region previously linked to an increased risk of asthma and atopy. SNP and haplotypes of the HTR4 gene were associated with the asthma phenotype and genetic variation of HTR4 may affect susceptibility to the development of asthma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11321563
NCBI GeneID	3360
NCBI Accession #	NP_000861.1
NCBI GenBank Nucleotide #	NM_000870.5
UniProt Accession #	Q13639; Q546Q1; Q684M0; Q712M9; Q96KH9; Q96KI0; Q9H199; Q9NY73; Q9UBM6; Q9UBT4; Q9UE22; Q9UE23
Molecular Weight	43,761 Da
NCBI Official Full Name	5-hydroxytryptamine receptor 4 isoform b
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled
NCBI Official Symbol	HTR4
NCBI Official Synonym Symbols	5-HT4; 5-HT4R
NCBI Protein Information	5-hydroxytryptamine receptor 4; cardiac 5-HT4 receptor
UniProt Protein Name	5-hydroxytryptamine receptor 4
UniProt Gene Name	HTR4
UniProt Synonym Gene Names	5-HT-4; 5-HT4
UniProt Entry Name	5HT4R_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/htr4-5-ht4-antibody-immunoprecipitation-western-blot-elisa/255100>