



## Rabbit Anti-5HT4 Receptor antibody

SL12054R

<b>Product Name:</b>	5HT4 Receptor
<b>Chinese Name:</b>	5-羟色胺受体4抗体
<b>Alias:</b>	5 HT 4; 5 HT4; 5 HT4R; 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; HTR4; serotonin 4 receptor; Serotonin 5 HT4 receptor; serotonin 5-ht-4 receptor; serotonin 5-ht-4a. Serotonin receptor 4; 5HT4R_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,Guinea Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	44kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human 5HT4 Receptor:161-270/388<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described. [provided by RefSeq, May 2010]

**Function:**

The 5HT4 Receptor 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 stimulates adenylate cyclase. 5HT4a receptors may play a role in opioid-induced respiratory depression.

**Subunit:**

Isoform 5-HT4(A) interacts with MAGI2, MPP3, SLC9A3R1 and SNX27 isoforms 1 and 2. Isoform 5-HT4(E) interacts with INADL, 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).

**Subcellular 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 Specificity:**

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

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**SWISS:**

Q13639

**Gene ID:**

3360

**Database links:**

[Entrez Gene: 3360](#) Human

[Entrez Gene: 15562](#) Mouse

[Entrez Gene: 25324](#) Rat

[GenBank: NP\\_000861.1](#) Human

[Omim: 602164](#) Human

[SwissProt: O70528](#) Guinea pig

[SwissProt: Q13639](#) Human

[SwissProt: P97288](#) Mouse

[SwissProt: Q29006](#) Pig

[SwissProt: Q62758](#) Rat

[Unigene: 483773](#) Human

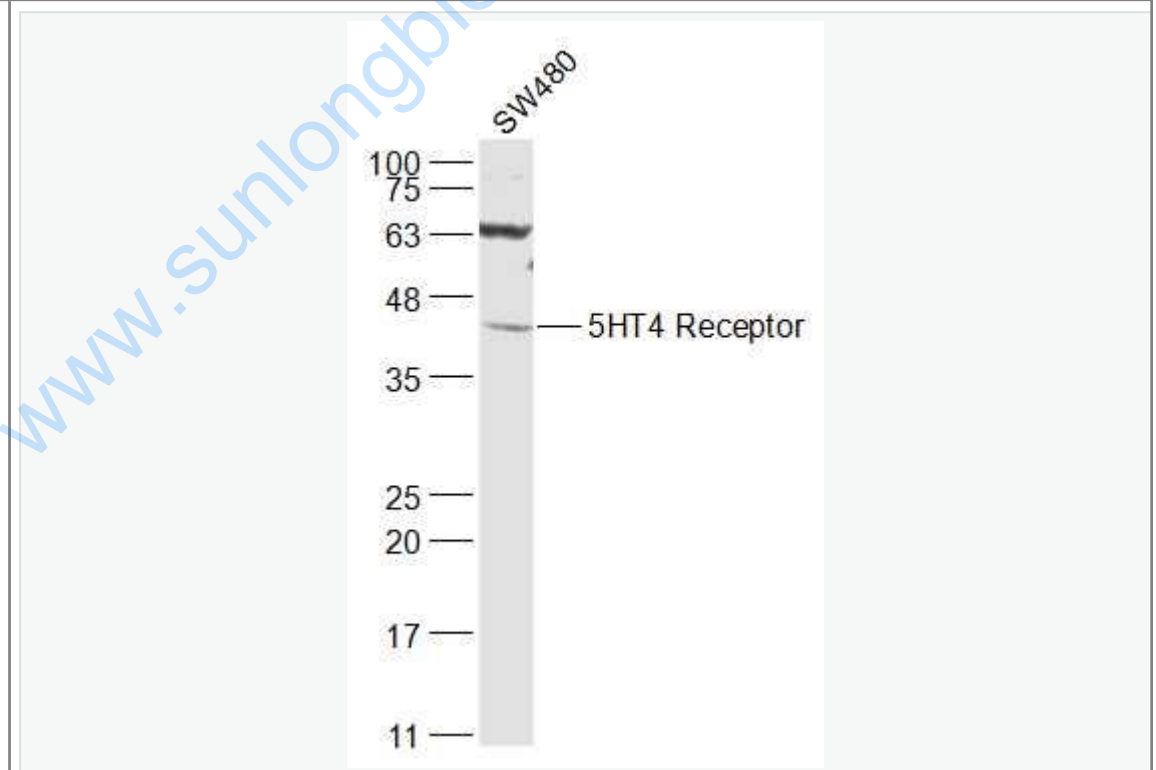
[Unigene: 20440](#) Mouse

[Unigene: 10094](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Sample:

SW480(Human) Cell Lysate at 30 ug

Primary: Anti-5HT4 Receptor (SL12054R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 44 kD

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)