



Rabbit Anti-5HT1E Receptor antibody

SL12047R

Product Name:	5HT1E Receptor
Chinese Name:	5-羟色胺受体1E抗体
Alias:	SR-1E; 5 hydroxytryptamine (serotonin) receptor 1E; 5 hydroxytryptamine (serotonin) receptor 1E G protein coupled; 5 hydroxytryptamine 1E receptor; 5-HT-1E; 5-hydroxytryptamine receptor 1E; HTR1E; S31; Serotonin receptor 1E; 5HT1E HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Pig,Cow,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-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.
Molecular weight:	42kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human 5HT1E Receptor/SR-1E:1-120/365<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	The members of the G-protein-coupled receptor family are distinguished by their slow transmitting response to ligand binding. These seven transmembrane proteins include the adrenergic, serotonin and dopamine receptors. The effect of the signaling molecule

can be excitatory or inhibitory depending on the type of receptor to which it binds. β -adrenergic bound to adrenaline activates adenylyl cyclase, while α_2 -adrenergic receptor bound to adrenaline inhibits adenylyl cyclase. Like the α_2 -adrenergic receptor, serotonin receptor functions are also mediated by G proteins that inhibit the activity of adenylyl cyclase. The serotonin receptors have been classified into several categories, designated SR-1–7 (5HT1–7). Subtypes within the SR-1 group include SR-1A, -1B, -1D, -1E and -1F.

Function:

This is one of the several different receptors for 5-HT, a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity. The 5-HT1E receptor is expressed in human cortex, caudate, putamen, and amygdala, as well as in dorsal root ganglia and in coronary artery. ESTs have been isolated from human brain cancer libraries.

Subcellular Location:

Cell Membrane, Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P28566

Gene ID:

3354

Database links:

[Entrez Gene: 3354](#) Human

[Omim: 182132](#) Human

[SwissProt: P28566](#) Human

[Unigene: 1611](#) Human

Important Note:

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