SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-5HT3A Receptor antibody

SL12051R

Product Name:	5HT3A Receptor
Chinese Name:	5-羟色胺受体3A抗体
Alias:	SR-3A; 5 HT 3; 5 HT3 receptor; 5 HT3A; 5 HT3A receptor; 5 HT3B; 5 HT3R; 5 HT3RA; 5 HTR3B; 5 hydroxytryptamine (serotonin) receptor 3A; 5 Hydroxytryptamine 3 receptor B subunit; 5 Hydroxytryptamine receptor 3; 5 Hydroxytryptamine receptor 3 subunit B; 5 Hydroxytryptamine receptor 3B; 5 Hydroxytryptamine serotonin receptor 3B; 5-HT-3; 5-HT3-A; 5-HT3A; 5-HT3R; 5-hydroxytryptamine receptor 3; 5-hydroxytryptamine receptor 3A; 5HT 3; 5HT 3A; 5HT receptor; 5HT3 serotonin receptor; 5HT3A_HUMAN; 5HT3R; HTR 3; HTR3; Htr3a; HTR3B; Serotonin gated ion channel receptor; Serotonin receptor 3; Serotonin receptor 3A; Serotonin receptor 3B; Serotonin-gated ion channel receptor 3a; Serotonin-gated ion channel receptor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=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.
Molecular weight:	53kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human 5HT3A Receptor:31-130/478<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 product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

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. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses in neurons. It is a cation-specific, but otherwise relatively nonselective, ion channel.

Subunit:
Forms pentahomomeric complex as well as pentaheteromeric complex with HTR3B or HTR3C or HTR3D or HTR3E; homomeric complex is functional but exhibits low conductance with modified voltage dependence, and decreased agonist and antagonist affinity. Interacts with RIC3.

Subcellular Location:
Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein.

Tissue Specificity:
Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.

Similarity:
Belongs to the ligand-gated ion channel (TC 1.A.9) family.
5-hydroxytryptamine receptor (TC 1.A.9.2) subfamily. HTR3A sub-subfamily.

SWISS:
P46098

Gene ID:
3359

Database links: |

	Entrez Gene: 3359 Human
	Entrez Gene: 15561 Mouse
	Entrez Gene: 79246 Rat
	Omim: 182139 Human
	SwissProt: P46098 Human
	SwissProt: P23979 Mouse
	SwissProt: P35563 Rat
	Unigene: 413899 Human
	Unigene: 4831 Mouse
	Unigene: 55109 Rat
	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.