



Rabbit Anti-5HT3B receptor antibody

SL4289R

Product Name:	5HT3B receptor
Chinese Name:	5-羟色胺受体3B抗体
Alias:	5 HT3 B; 5 HT3B; 5 HTR3B; 5 hydroxytryptamine 3 receptor B subunit; 5 hydroxytryptamine receptor 3B; 5 hydroxytryptamine serotonin receptor 3B; 5-HT3-B; 5-HT3B; 5-HTR3B; 5-hydroxytryptamine 3 receptor B subunit; 5-hydroxytryptamine receptor 3B; 5-hydroxytryptamine serotonin receptor 3B; 5HT3B_HUMAN; 5HTR3B; HTR3B; Serotonin gated ion channel subunit; serotonin receptor 3B.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestICC=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:	50kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human 5HTR3B/5HT3B receptor:101-200/441<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:	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. It is a cation-specific, but otherwise relatively nonselective, ion channel.

Function:

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Subunit:

Forms a pentaheteromeric complex with HTR3A. Not functional as a homomeric complex.

Subcellular Location:

Cell membrane; Multi-pass membrane protein. Note=Presumably retained within the endoplasmic reticulum unless complexed with HTR3A.

Tissue Specificity:

Expressed in the brain cortex, in the caudate nucleus, the hippocampus, the thalamus and the amygdala. Detected in the kidney and testis as well as in monocytes of the spleen, small and large intestine, uterus, prostate, ovary and placenta.

Post-translational modifications:

N-glycosylation required for membrane localization.

Similarity:

Belongs to the ligand-gated ion channel (TC 1.A.9) family. 5-hydroxytryptamine receptor (TC 1.A.9.2) subfamily. HTR3B sub-subfamily.

SWISS:

O95264

Gene ID:

9177

Database links:

[Entrez Gene: 9177](#) Human

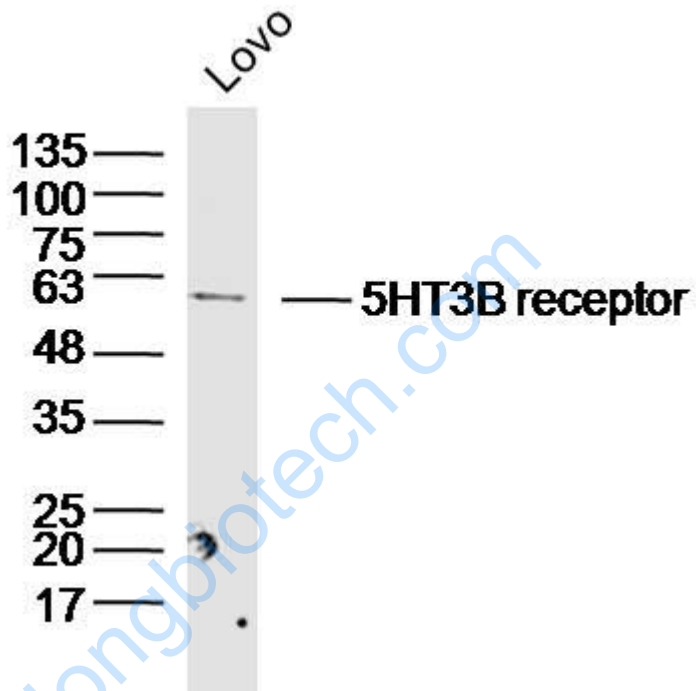
[Oimim: 604654](#) Human

[SwissProt: O95264](#) Human

[Unigene: 241377](#) Human

Important Note:

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



Picture:

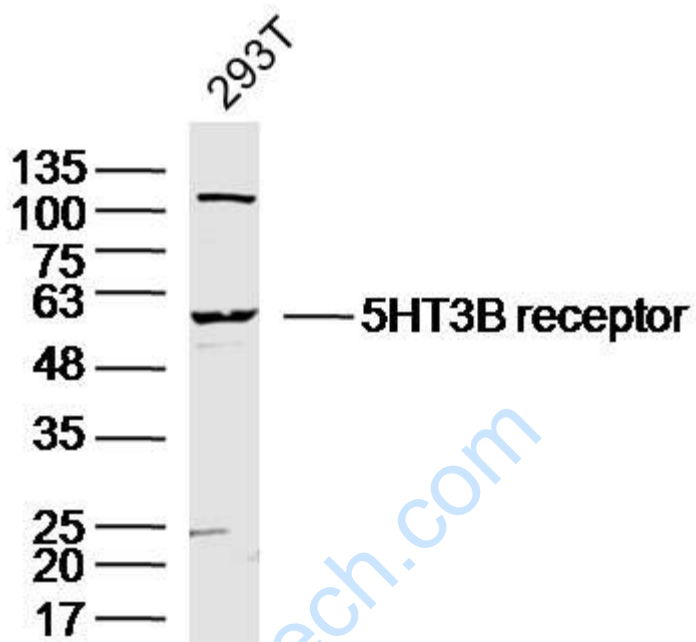
Sample: Lovo Cell (Human) Lysate at 40 ug

Primary: Anti- 5HT3B receptor (SL4289R) at 1/300 dilution

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

Predicted band size: 50 kD

Observed band size: 55 kD



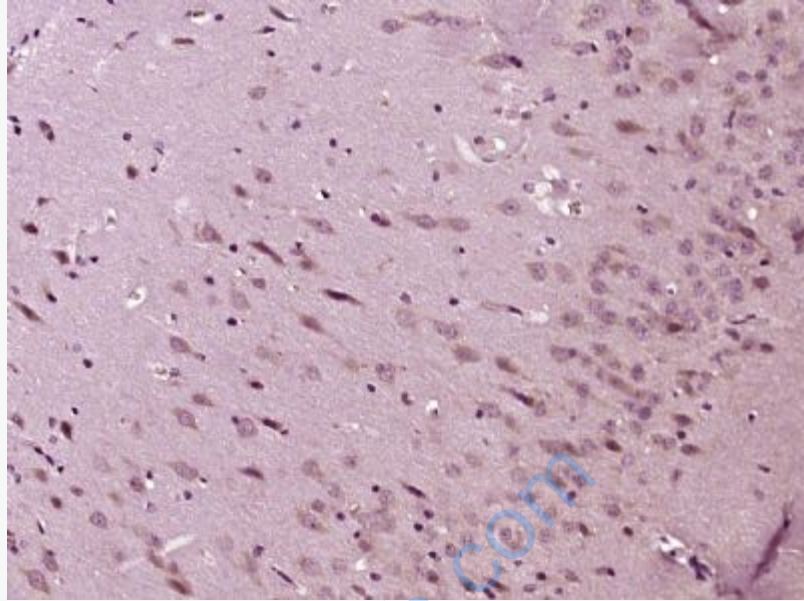
Sample: 293T Cell (Human) Lysate at 40 ug

Primary: Anti- 5HT3B receptor (SL4289R) at 1/300 dilution

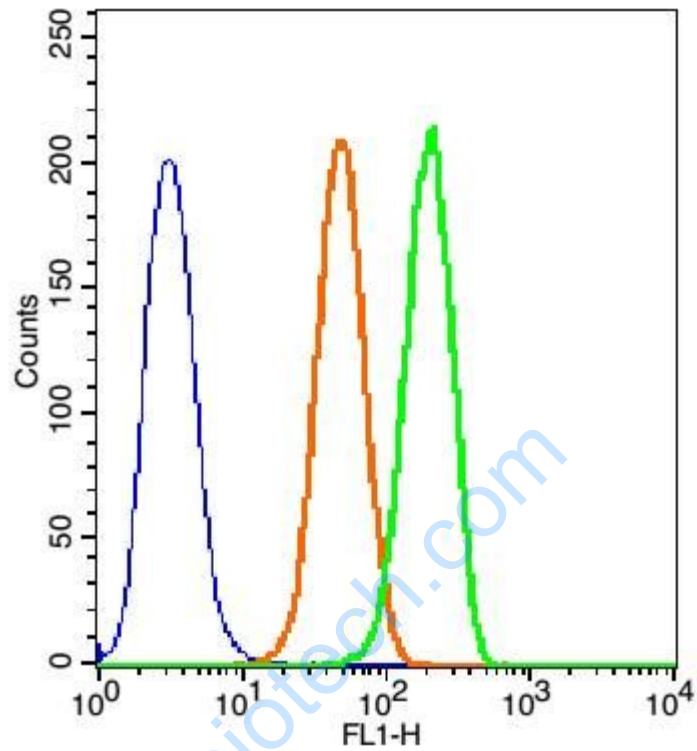
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT3B receptor) Polyclonal Antibody, Unconjugated (SL4289R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control(blue):293T Cells(fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice).

Primary Antibody: Rabbit Anti-5HT3B receptor Phospho-c-Fos (Thr325)/AF488

Conjugated antibody (SL4289R), Dilution: 1ug in 100 ul 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/AF488(orange) ,used under the same conditions.