

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.
Research Area	Neurobiology The cell membrane 受体 G protein-coupled receptor The new supersedes the old G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Sheep) WB=1:500-2000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	53kDa
Cellular localization	The cell membrane
Form	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



Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed 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.
Product Detail	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

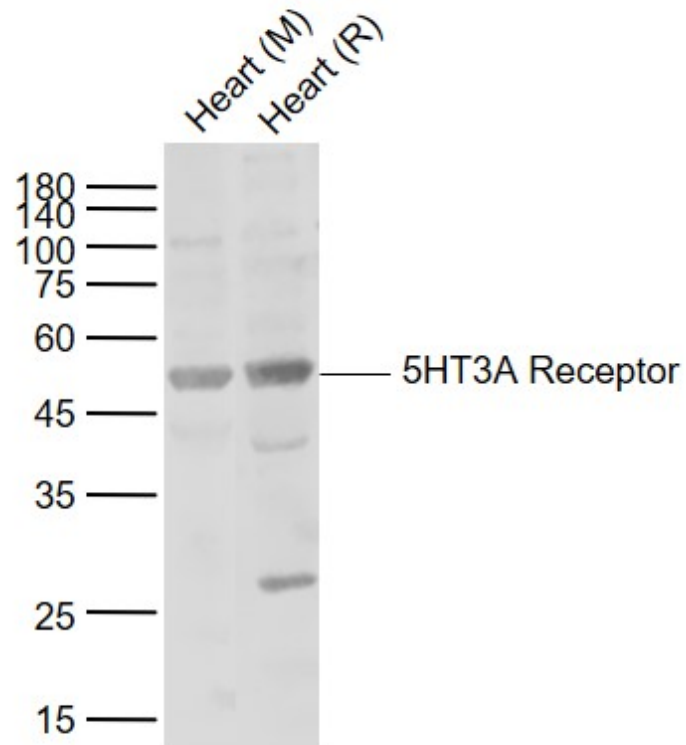
[SwissProt: P35563](#) Rat

[Unigene: 413899](#) Human

[Unigene: 4831](#) Mouse

[Unigene: 55109](#) Rat

Product Picture



Sample:

Lane 1: Heart (Mouse) Lysate at 40 ug

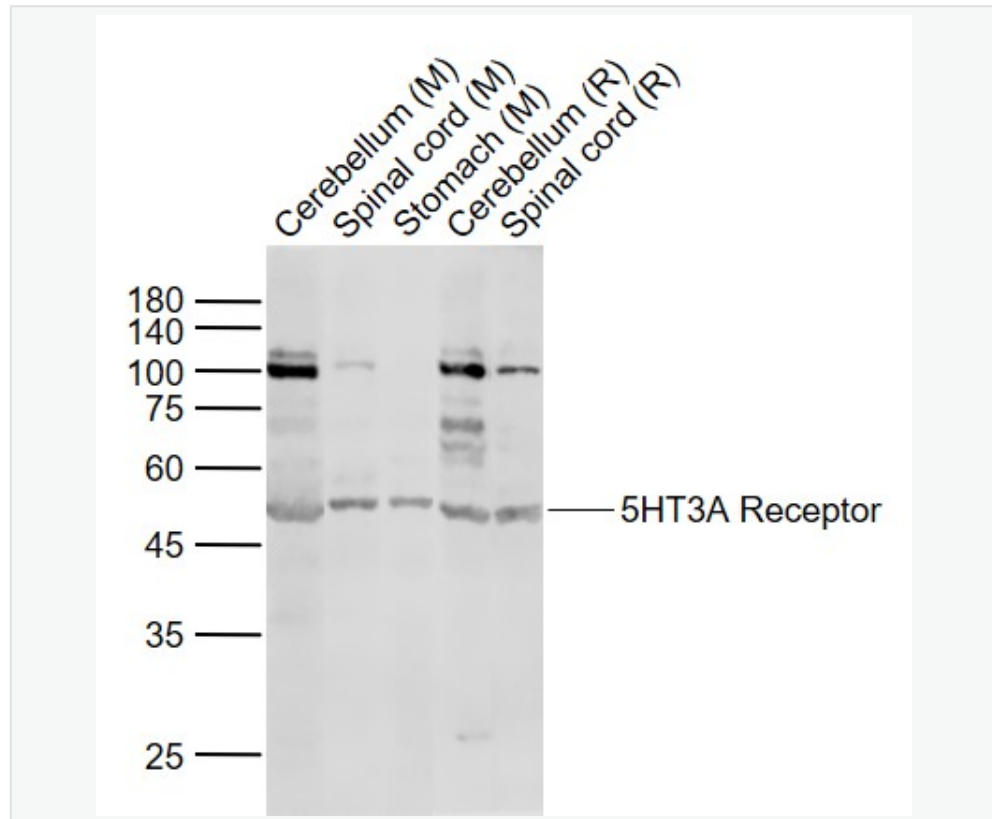
Lane 2: Heart (Rat) Lysate at 40 ug

Primary: Anti-5HT3A Receptor (SL12051R) at 1/1000 dilution

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

Predicted band size: 52-55 kD

Observed band size: 50 kD



Sample:

Lane 1: Cerebellum (Mouse) Lysate at 40 ug

Lane 2: Spinal cord (Mouse) Lysate at 40 ug

Lane 3: Stomach (Mouse) Lysate at 40 ug

Lane 4: Cerebellum (Rat) Lysate at 40 ug

Lane 5: Spinal cord (Rat) Lysate at 40 ug

Primary: Anti-5HT3A Receptor (SL12051R) at 1/1000 dilution

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

Predicted band size: 52-55 kD



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Observed band size: 50 kD