



Rabbit Anti-5HT1A Receptor antibody

SL1124R

Product Name:	5HT1A Receptor
Chinese Name:	5-羟色胺受体1A抗体
Alias:	5HT1A Receptor; HTR1A; 5-HTR1A; 5 HT 1A; 5 HT receptor 1A; 5 HT1A; 5 HT1A receptor; 5 hydroxytryptamine (serotonin) receptor 1A; 5 hydroxytryptamine (serotonin) receptor 1A G protein coupled; 5 hydroxytryptamine receptor 1A; 5-HT-1A; 5-HT1A; 5-hydroxytryptamine receptor 1A; 5HT 1A; 5HT 1A receptor; 5HT receptor 1A; 5HT1a; 5HT1A_HUMAN; ADRB2RL1; ADRBRL1; G 21; G protein coupled receptor; G-21; Gpcr 18; Gpcr18; Guanine nucleotide binding regulatory protein-coupled receptor; PFMCD; Serotonin 1A receptor; Serotonin 5HT1A receptor; Serotonin receptor 1A;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	46kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human 5-HTR1A:301-400/422<Cytoplasmic>
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

This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers. [provided by RefSeq, Jun 2012].

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. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 1 family. 5-hydroxytryptamine receptor subfamily. HTR1A sub-subfamily.

SWISS:

P19327

Gene ID:

3350

Database links:

[Entrez Gene: 487230](#)Dog

[Entrez Gene: 3350](#)Human

[Entrez Gene: 15550](#)Mouse

[Entrez Gene: 24473](#)Rat

[Oimim: 109760](#)Human

[SwissProt: Q6XXX9](#)Dog

[SwissProt: Q0EAB6](#)Horse

[SwissProt: P08908](#)Human

[SwissProt: Q64264](#)Mouse

[SwissProt: P19327](#)Rat

[Unigene: 247940](#)Human

[Unigene: 4716](#)Mouse

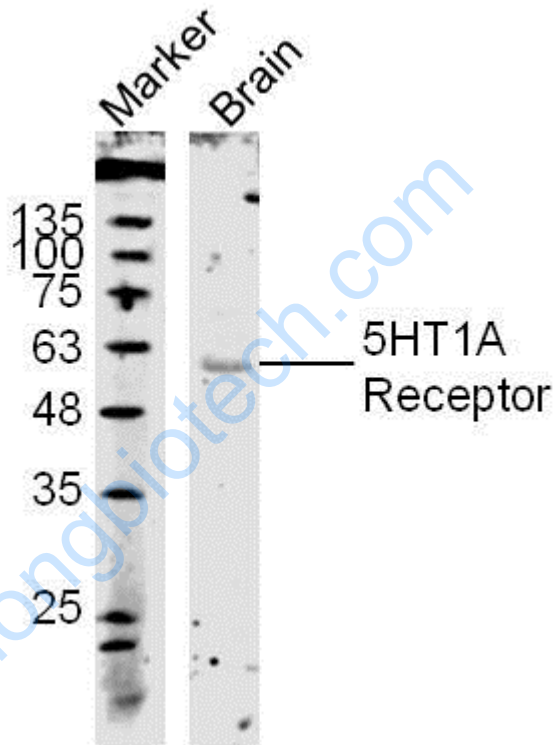
[Unigene: 44486](#)Rat

Product Detail:

Important Note:

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

Picture:

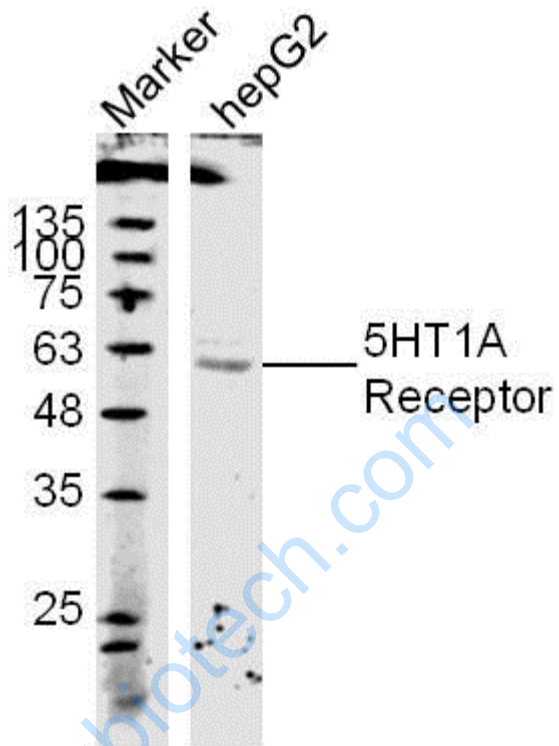


Protein: Brain(Mouse) Lysate at 40 ug

Primary: Rabbit Anti- 5HT1A Receptor (SL1124R) at 1:300;

Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1:10000;

Predicted band size:46 kD Observed band size:56 kD

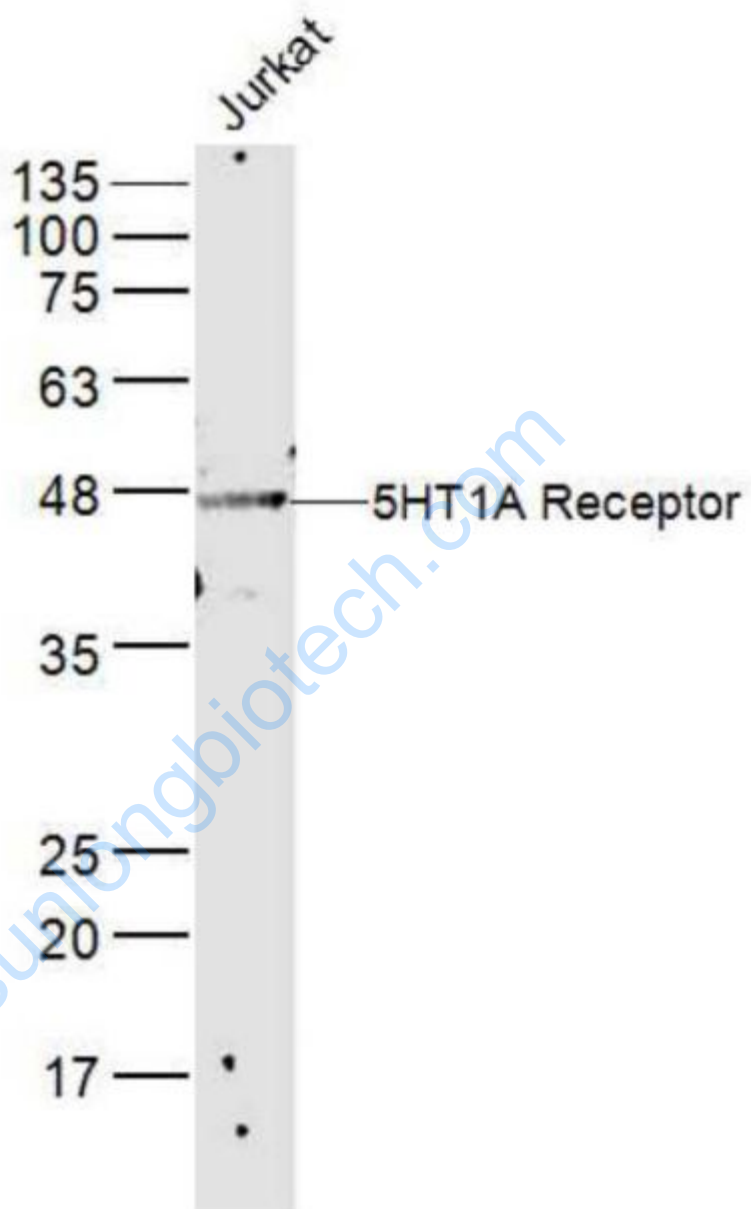


Protein: HepG2 lysates(hu);

Primary: Rabbit Anti- 5HT1A Receptor (SL1124R) at 1:300;

Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1:10000;

Predicted band size:46 kD Observed band size:56 kD



Sample:

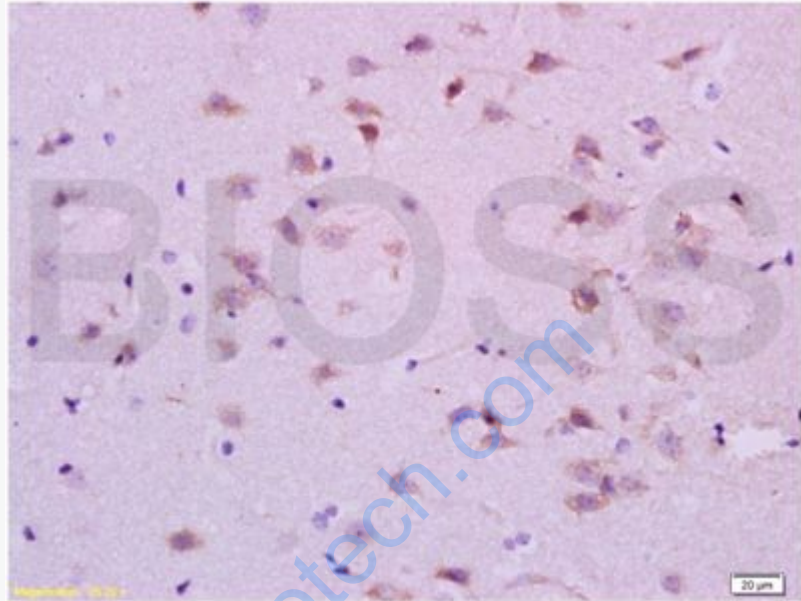
Jurkat(Human) Cell Lysate at 40 ug

Primary: Anti-5HT1A Receptor (SL1124R) at 1/300 dilution

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

Predicted band size: 46 kD

Observed band size: 46 kD



Tissue/cell: rat brain; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-5HT1A Receptor Polyclonal Antibody, Unconjugated(SL1124R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining