

Rabbit Anti-5HT5A receptor antibody

SL12055R

Product Name 5HT5A receptor

Chinese Name 5-羟色胺受体 5A 抗体

Alias SR-5A; HTR5A; 5 HT 5A; 5 hydroxytryptamine 5A receptor; 5-HT-5; 5-HT-5A; 5-HT5A; 5-hydroxytryptamine receptor 5A; 5HT5A; 5HT5A_HUMAN; HTR5A; Serotonin receptor 5A.

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 Mouse, Rat, (predicted: Human,)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 40kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human 5HT5A receptor/SR-5A: 1-110/357 <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

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The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca²⁺ mobilization. [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. The activity of this receptor is mediated by G proteins.

Subcellular Location:

Cell membrane.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

**Product
Detail**

SWISS:

P47898

Gene ID:

3361

Database links:

[Entrez Gene: 3361](#) Human

[Entrez Gene: 15563](#) Mouse

[Entrez Gene: 25689](#) Rat

[Omim: 601305](#) Human

[SwissProt: P47898](#) Human

[SwissProt: P30966](#) Mouse

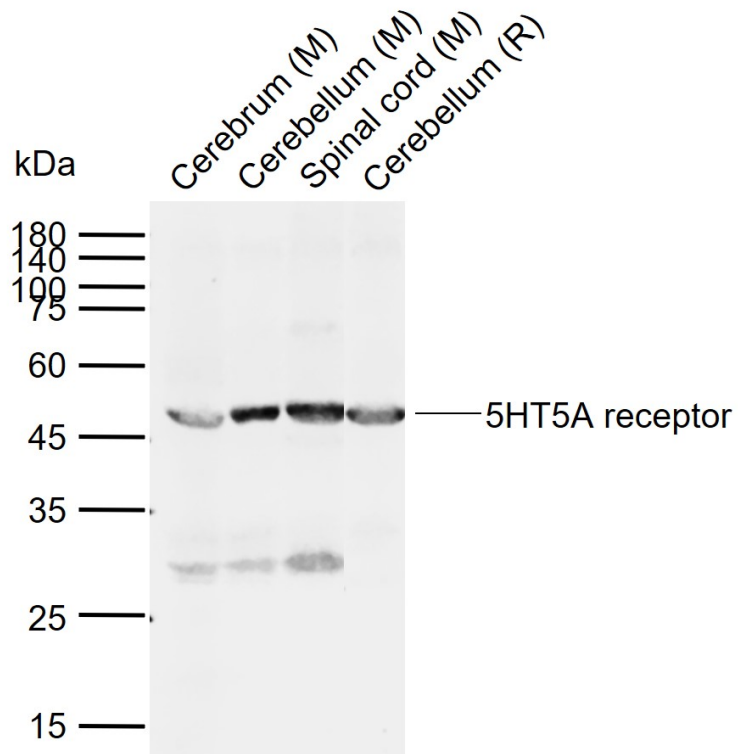
[SwissProt: P35364](#) Rat

[Unigene: 65791](#) Human

[Unigene: 4835](#) Mouse

[Unigene: 10569](#) Rat

**Product
Picture**



Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Mouse Cerebellum tissue lysates

Lane 3: Mouse Spinal cord tissue lysates

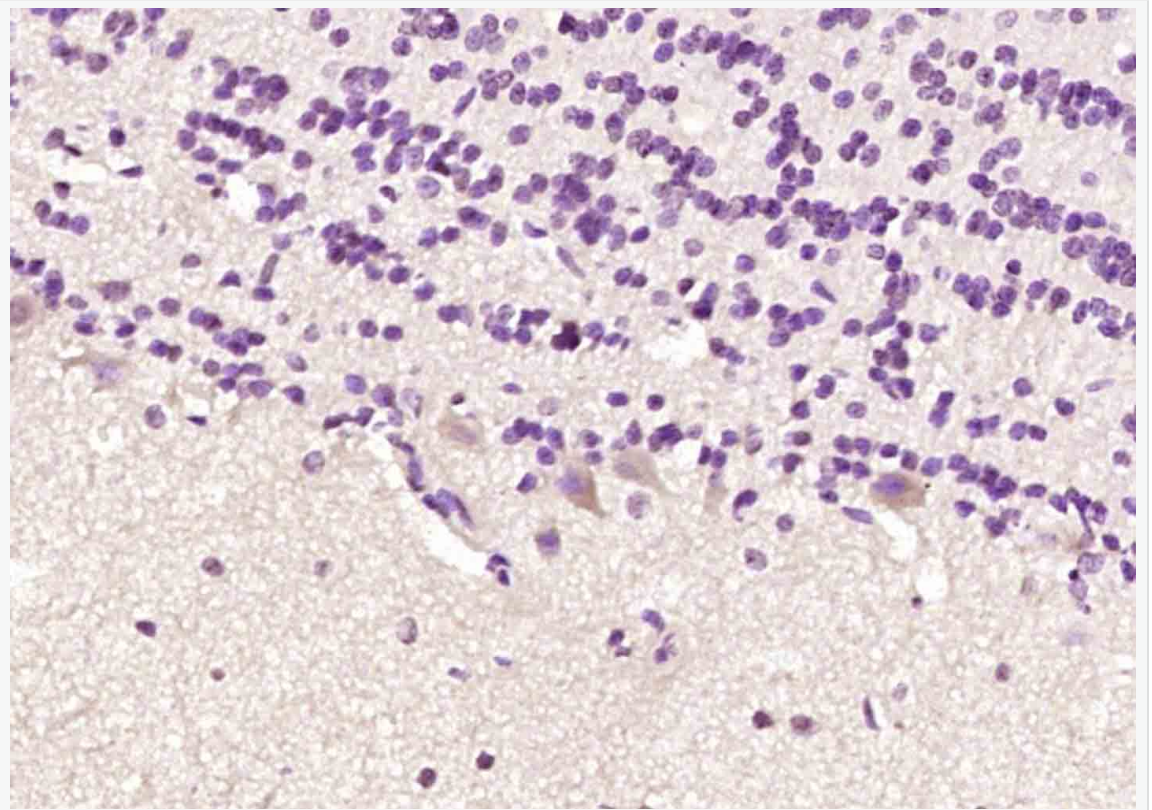
Lane 4: Rat Cerebellum tissue lysates

Primary: Anti-5HT5A receptor (SL12055R) at 1/1000 dilution

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

Predicted band size: 40 kDa

Observed band size: 47 kDa



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 (5HT5A) Polyclonal Antibody, Unconjugated (SL12055R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.