

## Rabbit Anti-5HT1D Receptor antibody

SL12046R

**Product Name** 5HT1D Receptor

**Chinese Name** 5-羟色胺受体 1D 抗体

**Alias** SR-1D; 5 HT 1D alpha; 5 HT 1D; 5 HT1B; 5 HT1D; 5HT1D; 5 hydroxytryptamine (serotonin) receptor 1B; 5 hydroxytryptamine (serotonin) receptor 1D G protein coupled; 5 hydroxytryptamine 1B receptor (5 HT 1B) (Serotonin receptor) (5 HT 1D beta) (Serotonin 1D beta receptor) (S12); 5 hydroxytryptamine receptor 1D; HT1DA; HTR1D; HTR1D2; HTR1DA; HTRL; RDC4; S12; Serotonin receptor 1D; 5HT1D\_HUMAN.

**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, Rabbit, )

**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** 42kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human 5HT1D Receptor/SR-1D: 2-110/377 <Extracellular>

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.



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<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a> The members of the G-protein-coupled receptor family are distinguished by their slow transmitting response to ligand binding. These seven transmembrane proteins include the adrenergic, serotonin and dopamine receptors. The effect of the signaling molecule can be excitatory or inhibitory depending on the type of receptor to which it binds. b-adrenergic bound to adrenaline activates adenylyl cyclase, while a2-adrenergic receptor bound to adrenaline inhibits adenylyl cyclase. Like the a2-adrenergic receptor, serotonin receptor functions are also mediated by G proteins that inhibit the activity of adenylyl cyclase. The serotonin receptors have been classified into several categories, designated SR-1–7 (5HT1–7). Subtypes within the SR-1 group include SR-1A, -1B, -1D, -1E and -1F.
<b>Product Detail</b>	<b>Function:</b> 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 adenylyl cyclase activity.
	<b>Subcellular Location:</b> Cell membrane; Multi-pass membrane protein
	<b>Similarity:</b> Belongs to the G-protein coupled receptor 1 family.
	<b>SWISS:</b> P28221
	<b>Gene ID:</b> 3352
	<b>Database links:</b>  <a href="#">Entrez Gene: 3352</a> Human <a href="#">Entrez Gene: 15552</a> Mouse <a href="#">Entrez Gene: 25323</a> Rat

[Omim: 182133](#) Human

[SwissProt: P28221](#) Human

[SwissProt: Q61224](#) Mouse

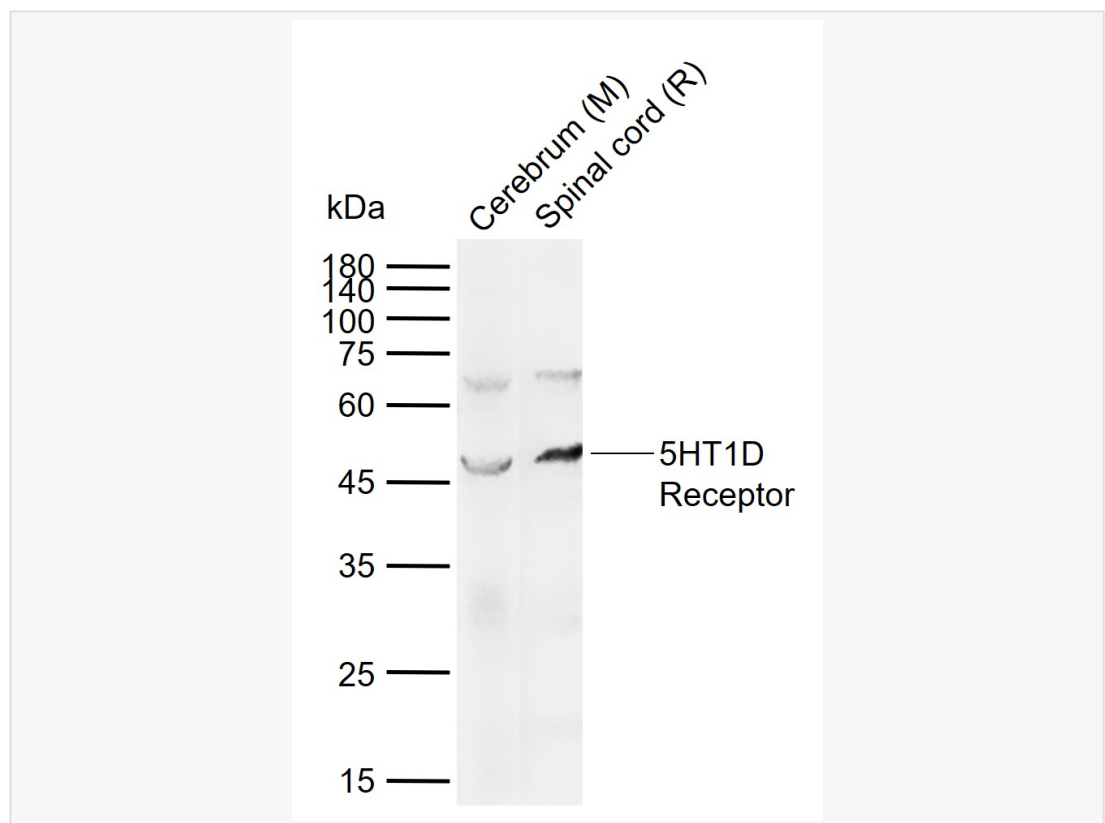
[SwissProt: P28565](#) Rat

[Unigene: 121482](#) Human

[Unigene: 40573](#) Mouse

[Unigene: 34834](#) Rat

**Product  
Picture**



Sample:

Lane 1: Mouse Cerebrum tissue lysates

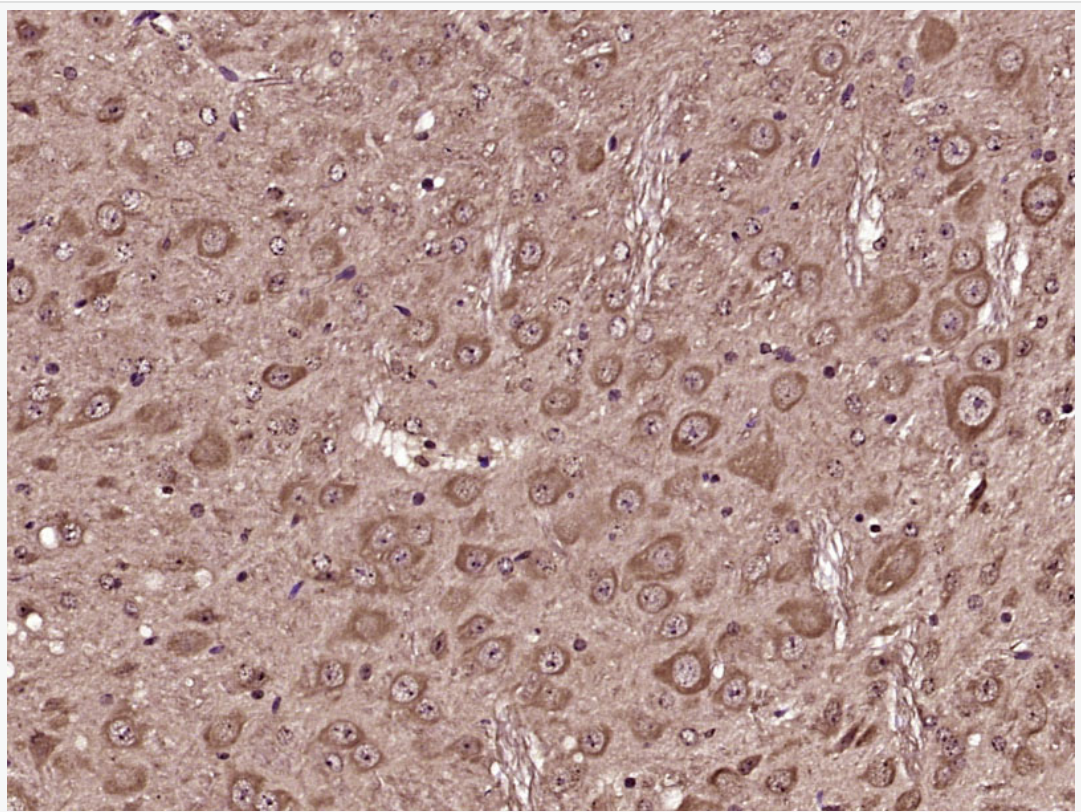
Lane 2: Rat Spinal cord tissue lysates

Primary: Anti-5HT1D Receptor (SL12046R) at 1/1000 dilution

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

Predicted band size: 42 kDa

Observed band size: 46 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (5HT1D Receptor) Polyclonal



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

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Antibody, Unconjugated (SL12046R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.