



## Rabbit Anti-5HT2A Receptor antibody

SL1056R

<b>Product Name:</b>	5HT2A Receptor
<b>Chinese Name:</b>	5-羟色胺受体2A抗体
<b>Alias:</b>	5-hydroxytryptamine receptor 2A; 5-hydroxytryptamine receptor; Serotonin receptor 2A; 5-HT-2A; 5-HT-2; HTR2A; Htr2a; 5 HT 2; 5HTR2A; 5 HT 2A; 5 HT2 receptor; 5 HT2A; 5 hydroxytryptamine receptor 2A; 5-HT-2; 5-HT-2A; 5-hydroxytryptamine 2A receptor; 5-hydroxytryptamine receptor 2A; 5HT2A_HUMAN; HTR 2; HTR 2A; HTR2; HTR2A.
<b>文献引用</b> <b>PubMed</b> :	<p><b>Specific References(1)</b> SL1056R has been referenced in 1 publications.</p> <p><b>[IF=2.59]</b>Sun, Tao, et al. "Antihypertensive effect of formononetin through regulating the expressions of eNOS, 5-HT&lt; sub&gt; 2A/1B receptors and ??&lt; sub&gt; 1-adrenoceptors in spontaneously hypertensive rat arteries."European journal of pharmacology (2013)..<b>Rat.</b></p> <p style="text-align: right;"><a href="#">PubMed:23123056</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3ug/TestIF=1:200-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	52kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human 5HT2A Receptor:65-160/471<Cytoplasmic>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A

<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>5HT2A receptor is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. 5HT2A receptor belongs to the G-protein coupled receptor 1 family and mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. This receptor is involved in tracheal smooth muscle contraction, bronchoconstriction, and control of aldosterone production. 5HT2A receptor is an integral membrane protein which localizes to the post-synaptic thickening of axo-dendritic synapses. 5HT2A receptor protein contains a PDZ domain-binding motif which is involved in the interaction with INADL, CASK, APBA1, DLG1 and DLG4.</p> <p><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. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. This receptor is involved in tracheal smooth muscle contraction, bronchoconstriction, and control of aldosterone production.</p> <p><b>Subunit:</b> Interacts with MPDZ and INADL. May interact with MPP3, PRDX6, DLG4, DLG1, CASK, APBA1 and MAGI2.</p> <p><b>Subcellular Location:</b> Cell membrane; Multi-pass membrane protein. Note=Localizes to the postsynaptic thickening of axo-dendritic synapses.</p> <p><b>Similarity:</b> Belongs to the G-protein coupled receptor 1 family.</p> <p><b>SWISS:</b> P28223</p> <p><b>Gene ID:</b> 3356</p> <p><b>Database links:</b> <a href="#">Entrez Gene: 3356</a>Human <a href="#">Entrez Gene: 15558</a>Mouse</p>

[Entrez Gene: 29595](#)Rat

[Omim: 182135](#)Human

[SwissProt: P28223](#)Human

[SwissProt: P35363](#)Mouse

[SwissProt: P14842](#)Rat

[Unigene: 654586](#)Human

[Unigene: 72630](#)Human

[Unigene: 214351](#)Mouse

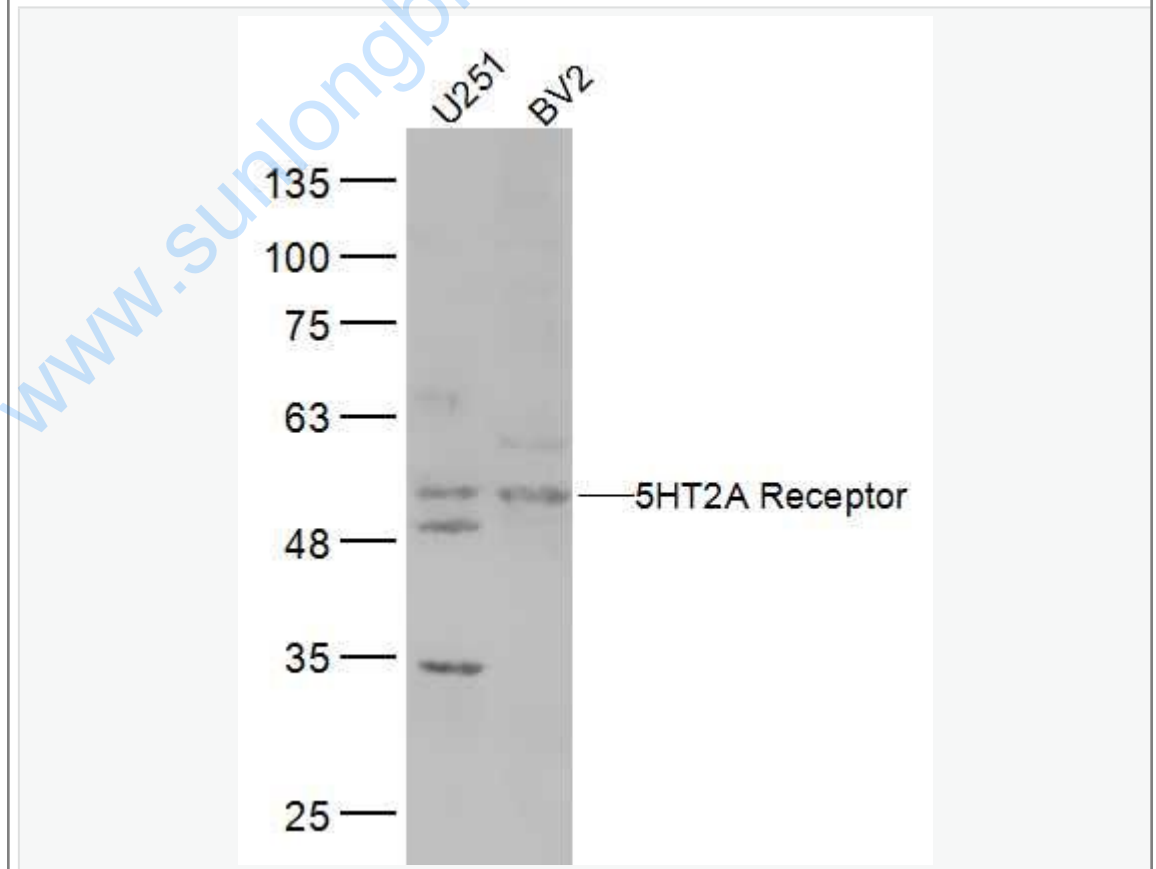
[Unigene: 10294](#)Rat

[Unigene: 146756](#)Rat

**Important Note:**

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

**Picture:**



Sample:

U251(Human) Cell Lysate at 30 ug

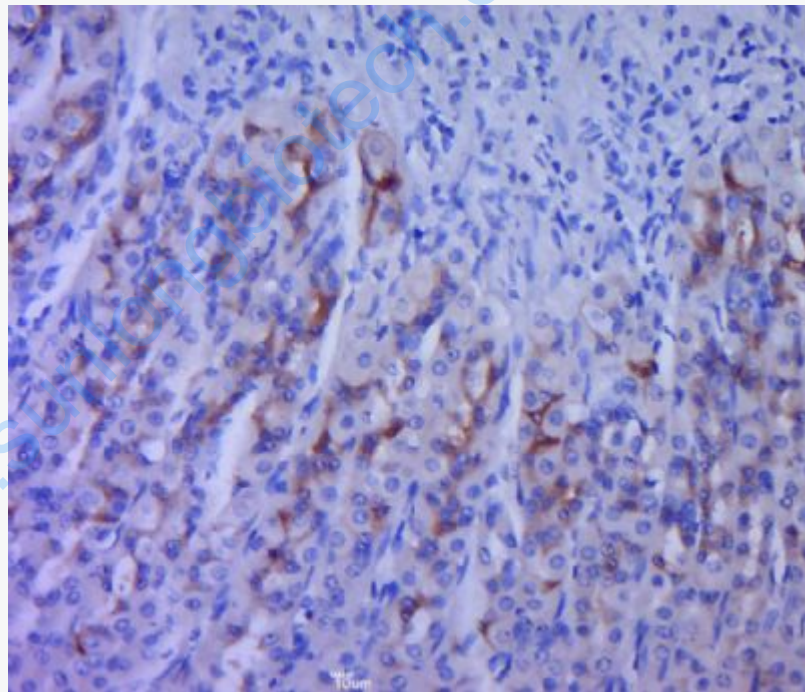
BV2(Mouse) Cell Lysate at 30 ug

Primary: Anti-5HT2A Receptor (SL1056R) at 1/300 dilution

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

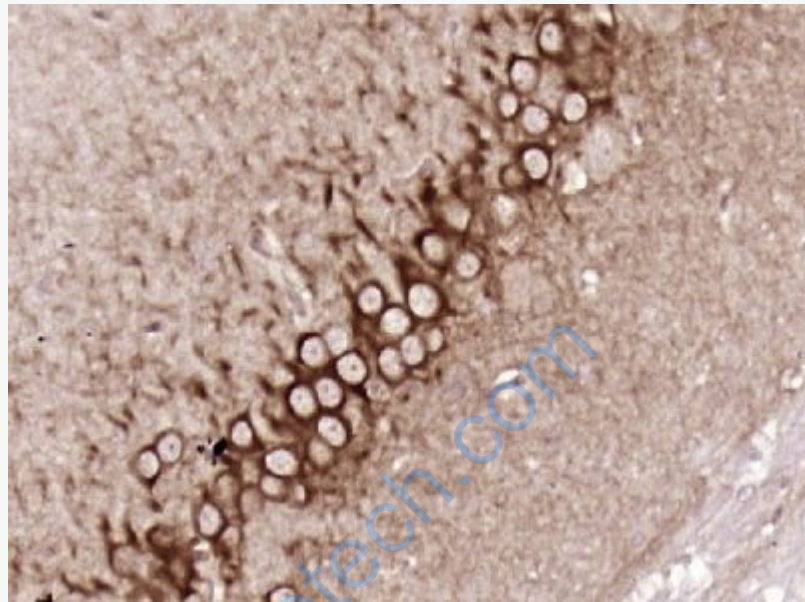
Predicted band size: 52 kD

Observed band size: 52 kD

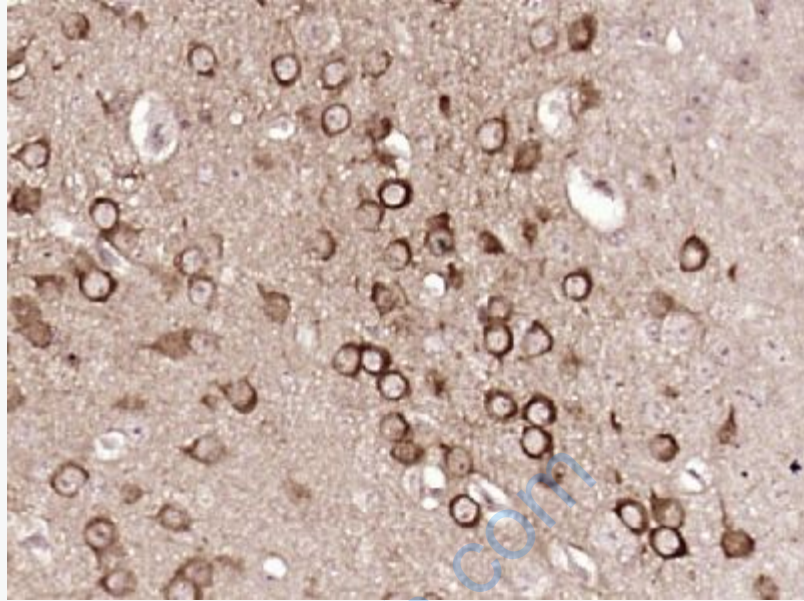


Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT2A Receptor) Polyclonal Antibody, Unconjugated (SL1056R) at 1:400 overnight at 4°C, followed by a conjugated

secondary (sp-0023) for 20 minutes and DAB staining.

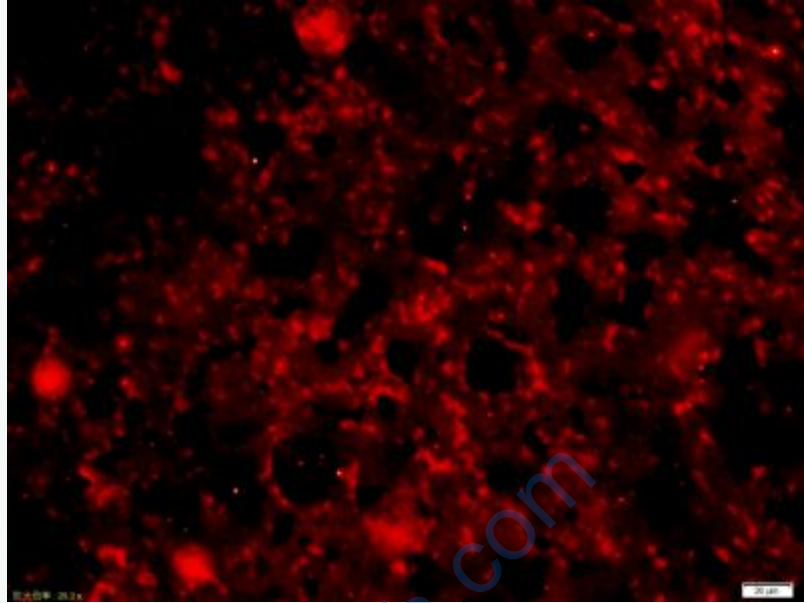


Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT2A Receptor) Polyclonal Antibody, Unconjugated (SL1056R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

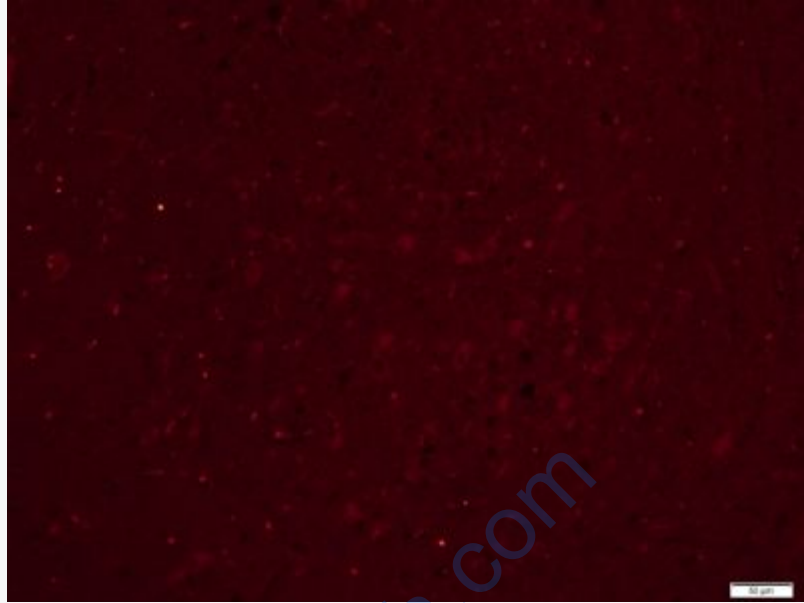


Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (5HT2A Receptor) Polyclonal Antibody, Unconjugated (SL1056R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



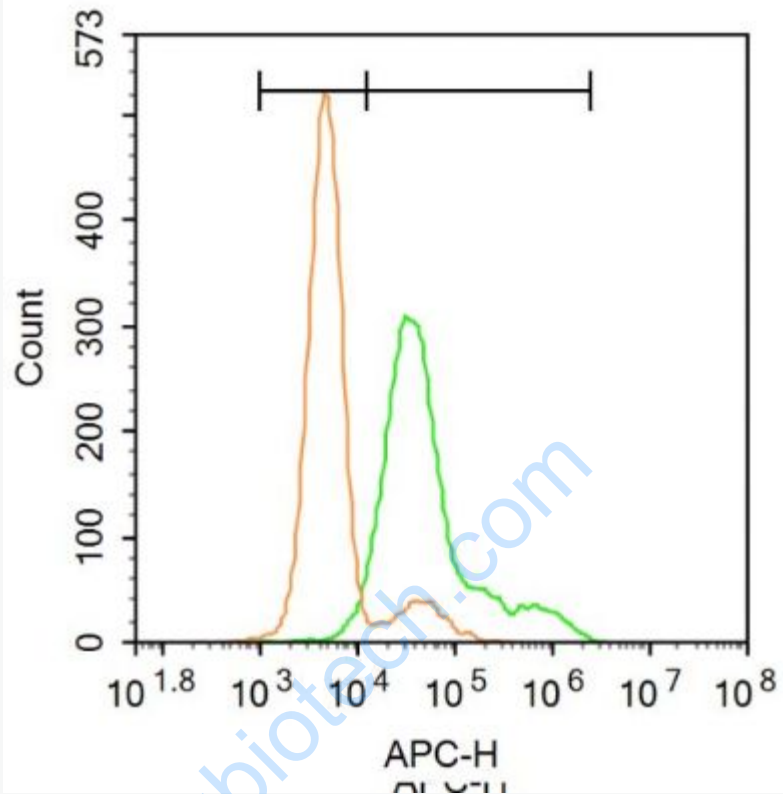


Tissue/cell: rat lung tissue;4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min;  
Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-5HT2A Receptor Polyclonal Antibody, Unconjugated(SL1056R)  
1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3  
conjugated(SL1056R)used at 1:200 dilution for 40 minutes at 37°C.



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 (5HT2A Receptor) Polyclonal Antibody, Unconjugated (SL1056R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (SL1056R) for 90 minutes, and DAPI for nuclei staining.





Blank control: U-2OS.

Primary Antibody (green line): Rabbit Anti-5HT2A Receptor antibody (SL1056R)

Dilution:  $3\mu\text{g} / 10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution:  $3\mu\text{g} / \text{test}$ .

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

