

**Product Name: SR-5A Rabbit Polyclonal Antibody**  
**Catalog #: APRab18253**



## Summary

<b>Production Name</b>	SR-5A Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IF, WB, ELISA
<b>Reactivity</b>	Human, Rat, Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	HTR5A
<b>Alternative Names</b>	HTR5A; 5-hydroxytryptamine receptor 5A; 5-HT-5; 5-HT-5A; 5-HT5A; Serotonin receptor 5A
<b>Gene ID</b>	3361.0
<b>SwissProt ID</b>	P47898. The antiserum was produced against synthesized peptide derived from human HTR5A. AA range:15-64

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Molecular Weight</b>	36kD

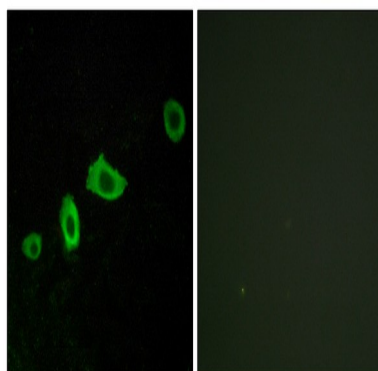
## Background

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  $\text{Ca}^{2+}$  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.,similarity:Belongs to the G-protein coupled receptor 1 family,.

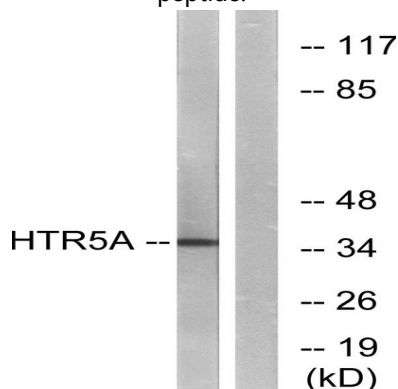
## Research Area

Calcium;Neuroactive ligand-receptor interaction;

## Image Data



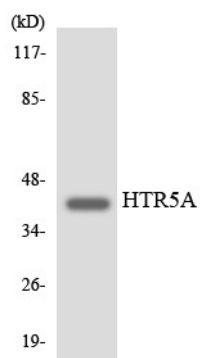
Immunofluorescence analysis of LOVO cells, using HTR5A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using HTR5A Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HepG2 cells using HTR5A antibody.

### **Note**

For research use only.