

**SR-1A Polyclonal Antibody**  
**Catalog # AP72574****Specification**

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**SR-1A Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P08908</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**SR-1A Polyclonal Antibody - Additional Information****Gene ID** 3350**Other Names**

HTR1A; ADRB2RL1; ADRBRL1; 5-hydroxytryptamine receptor 1A; 5-HT-1A; 5-HT1A; G-21; Serotonin receptor 1A

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**SR-1A Polyclonal Antibody - Protein Information****Name** HTR1A**Synonyms** ADRB2RL1, ADRBRL1**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Cell projection, dendrite  
{ECO:0000250|UniProtKB:P19327}

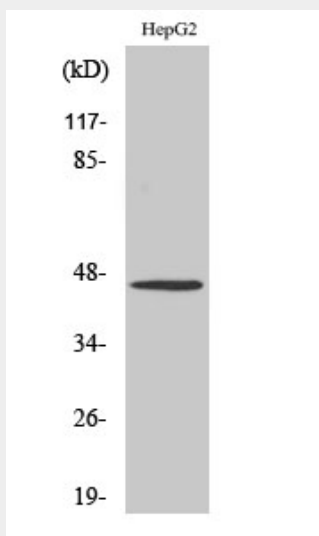
**Tissue Location**

Detected in lymph nodes, thymus and spleen. Detected in activated T-cells, but not in resting T-cells

**SR-1A Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SR-1A Polyclonal Antibody - Images****SR-1A Polyclonal Antibody - Background**

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stimuli.