

# SR-5A Polyclonal Antibody

Catalog # AP72589

## Product Information

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Application	WB, IF
Primary Accession	<a href="#">P47898</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40255

## Additional Information

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Gene ID	3361
Other Names	HTR5A; 5-hydroxytryptamine receptor 5A; 5-HT-5; 5-HT-5A; 5-HT5A; Serotonin receptor 5A
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	HTR5A ( <a href="#">HGNC:5300</a> )
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed: <a href="#">35610220</a> , PubMed: <a href="#">35835867</a> , PubMed: <a href="#">9865521</a> ). Also functions as a receptor for ergot alkaloid derivatives and other psychoactive substances (PubMed: <a href="#">35835867</a> ). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed: <a href="#">35610220</a> , PubMed: <a href="#">35835867</a> , PubMed: <a href="#">9865521</a> ). HTR5A is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission: signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores (PubMed: <a href="#">35610220</a> , PubMed: <a href="#">35835867</a> , PubMed: <a href="#">9865521</a> ).
Cellular Location	Cell membrane; Multi-pass membrane protein

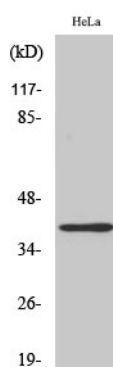
## Background

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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.

## Images

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Western Blot analysis of various cells using SR-5A Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.