

# SR-1F Polyclonal Antibody

Catalog # AP72578

## Product Information

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Application	WB, IF
Primary Accession	<a href="#">P30939</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41709

## Additional Information

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Gene ID	3355
Other Names	HTR1F; HTR1EL; 5-hydroxytryptamine receptor 1F; 5-HT-1F; 5-HT1F; Serotonin receptor 1F
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. 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	HTR1F ( <a href="#">HGNC:5292</a> )
Function	<p>G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:<a href="#">21422162</a>, PubMed:<a href="#">34239069</a>, PubMed:<a href="#">8380639</a>, PubMed:<a href="#">8384716</a>). Also functions as a receptor for various alkaloids and psychoactive substances (PubMed:<a href="#">21422162</a>, PubMed:<a href="#">8380639</a>, PubMed:<a href="#">8384716</a>). Receptor for lasmiditan, a drug for the treatment of acute migraine (PubMed:<a href="#">34239069</a>). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed:<a href="#">34239069</a>). HTR1F is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission by inhibiting adenylate cyclase activity (PubMed:<a href="#">34239069</a>, PubMed:<a href="#">35610220</a>).</p>
Cellular Location	Cell membrane; Multi-pass membrane protein

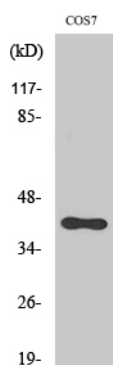
## Background

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G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various alkaloids 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. Signaling inhibits adenylate cyclase activity.

## Images

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Western Blot analysis of various cells using SR-1F  
Polyclonal Antibody diluted at 1 : 1000

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