

SR-1E Polyclonal Antibody
Catalog # AP72577**Specification**

SR-1E Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P28566
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

SR-1E Polyclonal Antibody - Additional Information

Gene ID 3354

Other Names

HTR1E; 5-hydroxytryptamine receptor 1E; 5-HT-1E; 5-HT1E; S31; Serotonin receptor 1E

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. 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-1E Polyclonal Antibody - Protein InformationName HTR1E ([HGNC:5291](#))**Function**

G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed: [14744596](http://www.uniprot.org/citations/14744596), PubMed: [1513320](http://www.uniprot.org/citations/1513320), PubMed: [1608964](http://www.uniprot.org/citations/1608964), PubMed: [1733778](http://www.uniprot.org/citations/1733778), PubMed: [21422162](http://www.uniprot.org/citations/21422162), PubMed: [33762731](http://www.uniprot.org/citations/33762731)). Also functions as a receptor for various alkaloids and psychoactive substances (PubMed: [14744596](http://www.uniprot.org/citations/14744596), PubMed: [1513320](http://www.uniprot.org/citations/1513320), PubMed: [1608964](http://www.uniprot.org/citations/1608964), PubMed: [1733778](http://www.uniprot.org/citations/1733778), PubMed: [21422162](http://www.uniprot.org/citations/21422162), PubMed: [33762731](http://www.uniprot.org/citations/33762731)). 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:14744596, PubMed:1513320, PubMed:1608964, PubMed:1733778, PubMed:21422162, PubMed:33762731). HTR1E is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission by inhibiting adenylate cyclase activity (PubMed:33762731, PubMed:35610220).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

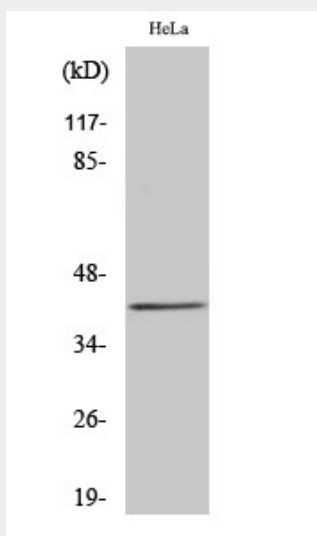
Detected in brain..

SR-1E 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-1E Polyclonal Antibody - Images



SR-1E Polyclonal Antibody - Background

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.