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SR-1E Polyclonal Antibody

Catalog # AP72577

Product Information

Application	IF, ICC, E, IHC-P
Primary Accession	P28566
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41682

Additional Information

Gene ID	3354
Other Names	HTR1E; 5-hydroxytryptamine receptor 1E; 5-HT-1E; 5-HT1E; S31; Serotonin receptor 1E
Dilution	IF~~1:50~200 ICC~~N/A E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

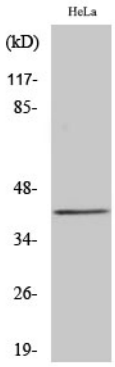
Protein Information

Name	HTR1E (HGNC:5291)
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:14744596, PubMed:1513320, PubMed:1608964, PubMed:1733778, PubMed:21422162, PubMed:33762731). Also functions as a receptor for various alkaloids and psychoactive substances (PubMed:14744596, PubMed:1513320, PubMed:1608964, PubMed:1733778, PubMed:21422162, PubMed: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..

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.

Images



Western Blot analysis of various cells using SR-1E Polyclonal Antibody