10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTR1F Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21174a

Product Information

Application	WB, E
Primary Accession	P30939
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52189
Calculated MW	41709

Additional Information

Gene ID	3355
Other Names	5-hydroxytryptamine receptor 1F, 5-HT-1F, 5-HT1F, Serotonin receptor 1F, HTR1F, HTR1EL
Target/Specificity	This HTR1F antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 213-248 amino acids from the Central region of human HTR1F.
Dilution	WB~~1:4000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HTR1F Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HTR1F (HGNC:5292)
Function	G protein-coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:21422162, PubMed:34239069, PubMed:8380639, PubMed:8384716). Also functions as a receptor for various alkaloids and psychoactive substances (PubMed:21422162, PubMed:8380639, PubMed:8384716). Receptor for

lasmiditan, a drug for the treatment of acute migraine (PubMed:34239069). 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:34239069). HTR1F is coupled to G(i)/G(o) G alpha proteins and mediates inhibitory neurotransmission by inhibiting adenylate cyclase activity (PubMed:34239069, PubMed:35610220).

Cellular Location Cell membrane; Multi-pass membrane protein

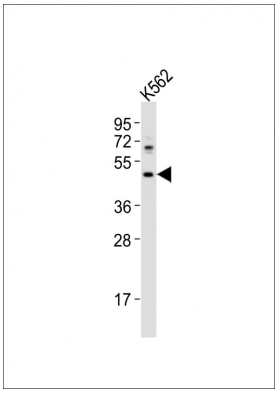
Background

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.

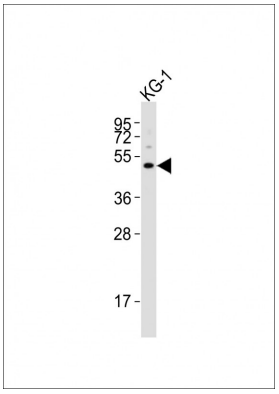
References

Lovenberg T.W.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:2184-2188(1993).
Adham N.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:408-412(1993).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Nichols D.E.,et al.Chem. Rev. 108:1614-1641(2008).

Images



Anti-HTR1F Antibody (Center) at 1:1000 dilution + K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-HTR1F Antibody (Center) at 1:4000 dilution + KG-1 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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