

5HT5A receptor Rabbit pAb

Catalog # AP97590

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P47898
Other Accession	P47898
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40255
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human 5HT5A receptor/SR-5A
Epitope Specificity	1-110/357
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The neurotransmitter serotonin (5-hydroxytryptamine, 5-HT) has been implicated in a wide range of psychiatric conditions and also has vasoconstrictive and vasodilatory effects. The gene described in this record is a member of 5-hydroxytryptamine (serotonin) receptor family and encodes a multi-pass membrane protein that functions as a receptor for 5-hydroxytryptamine and couples to G-proteins. This protein has been shown to function in part through the regulation of intracellular Ca ²⁺ mobilization. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3361
Other Names	5-HT5A; Htr5; 5HT5A; MR22; 5HT5A_HUMAN; HTR5A; 5-HT-5; 5-HT-5A; Serotonin receptor 5A; 5HT5A_MOUSE; 5HT5A_RAT; REC17; 5-hydroxytryptamine receptor 5A; 5-hydroxytryptamine (serotonin) receptor 5A; 5-hydroxytryptamine (serotonin) receptor 5A, G protein-coupled
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HTR5A (HGNC:5300)
Function	G protein-coupled receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone and a mitogen (PubMed: 35610220 , PubMed: 35835867 , PubMed: 9865521). Also functions as a receptor for ergot alkaloid derivatives and other psychoactive substances (PubMed: 35835867). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors (PubMed: 35610220 , PubMed: 35835867 , PubMed: 9865521). 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: 35610220 , PubMed: 35835867 , PubMed: 9865521).
Cellular Location	Cell membrane; Multi-pass membrane protein

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