

HTR5A Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21178a**Specification**

HTR5A Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P47898
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	40255

HTR5A Antibody (Center) - Additional Information**Gene ID** 3361**Other Names**

5-hydroxytryptamine receptor 5A, 5-HT-5, 5-HT-5A, 5-HT5A, Serotonin receptor 5A, HTR5A

Target/Specificity

This HTR5A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 265-300 amino acids from the Central region of human HTR5A.

Dilution

WB~~1:2000

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

HTR5A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR5A Antibody (Center) - 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

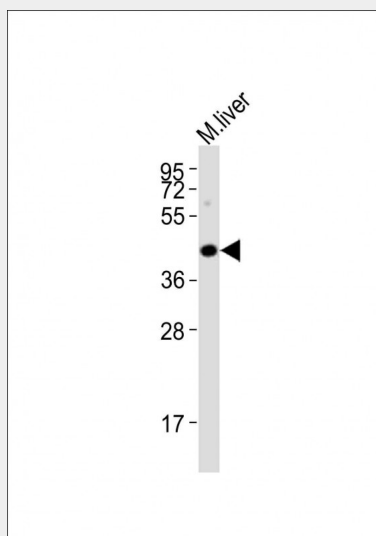
Cell membrane; Multi-pass membrane protein

HTR5A Antibody (Center) - 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](#)

HTR5A Antibody (Center) - Images



Anti-HTR5A Antibody (Center) at 1:2000 dilution + mouse liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

HTR5A Antibody (Center) - Background

This is one of the several different receptors for 5- hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. The activity of this receptor is mediated by G proteins.

HTR5A Antibody (Center) - References

Rees S.,et al.FEBS Lett. 355:242-246(1994).

Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

Sjoeblom T.,et al.Science 314:268-274(2006).