

Rabbit 5-HT-1A Polyclonal Antibody | anti-5-HT-1A antibody

5-HT-1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321052	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

5-HT-1A; Polyclonal Antibody; 5-HT-1A Antibody; 5 HT 1A; 5 HT receptor 1A; 5 HT1A; 5 HT1A receptor; 5 hydroxytryptamine (serotonin) receptor 1A; 5 hydroxytryptamine (serotonin) receptor 1A G protein coupled; 5 hydroxytryptamine receptor 1A; 5-HT1A; 5-hydroxytryptamine receptor 1A; 5HT 1A; 5HT 1A receptor; 5HT receptor 1A; 5HT1a; 5HT1A_HUMAN; ADRB2RL1; ADRBRL1; G 21; G protein coupled receptor; G-21; Gpcr 18; Gpcr18; Guanine nucleotide binding regulatory protein-coupled receptor; Htr1a; PFMCD; Serotonin 1A receptor; Serotonin 5HT1A receptor; Serotonin receptor 1A; anti-5-HT-1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	5-HT-1A antibody detects endogenous levels of 5-HT-1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	422
Applicable Applications for anti-5-HT-1A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human 5-HT-1A
Subcellular Location	Cell Membrane
Tissue Specificity	Detected in lymph nodes, thymus and spleen. Detected in activated T-cells, but not in resting T-cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321052 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HepG2 cell lysate using 5-HT-1A Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-5-HT-1A antibody	Description: 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 that inhibit adenylate cyclase activity. Function: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs 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. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca2+ ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli. Subunit Structure: Heterodimer; heterodimerizes with GPER1. Similarity: Belongs to the G-protein coupled receptor 1 family. 5-hydroxytryptamine receptor subfamily. HTR1A sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55956923
NCBI GeneID	3350
NCBI Accession #	NP_000515.2
NCBI GenBank Nucleotide #	NM_000524.3
UniProt Accession #	P08908; Q6LAE7
Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
NCBI Official Full Name	5-hydroxytryptamine receptor 1A
NCBI Official Synonym Full Names	5-hydroxytryptamine receptor 1A
NCBI Official Symbol	HTR1A
NCBI Official Synonym Symbols	G-21; 5HT1a; PFMCD; 5-HT1A; 5-HT-1A; ADRBRL1; ADRB2RL1
NCBI Protein Information	5-hydroxytryptamine receptor 1A
UniProt Protein Name	5-hydroxytryptamine receptor 1A
UniProt Gene Name	HTR1A
UniProt Synonym Gene Names	ADRB2RL1; ADRBRL1; 5-HT-1A; 5-HT1A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.