

Rabbit anti-Human HTR1A Polyclonal Antibody | anti-HTR1A antibody

HTR1A Antibody (Center)

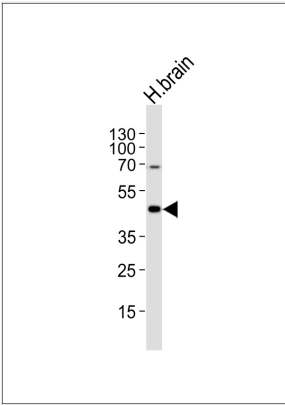
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285146	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

HTR1A; Polyclonal Antibody; HTR1A Antibody (Center); 5-hydroxytryptamine receptor 1A; 5-HT-1A; 5-HT1A; G-21; Serotonin receptor 1A; ADRB2RL1; ADRBRL1; anti-HTR1A antibody

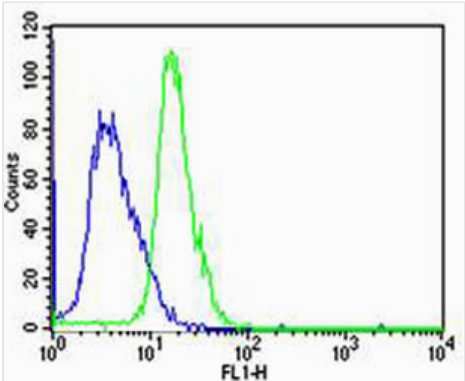
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HTR1A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 239-273 amino acids from the Central region of human HTR1A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	422
Applicable Applications for anti-HTR1A antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

Western blot analysis of lysate from human brain tissue lysate, using HTR1A Antibody (Center). AAA285146 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Jurkat cells using HTR1A Antibody (Center)(green) compared to an isotype control of rabbit IgG(blue). AAA285146 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HTR1A antibody	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 Ca(2+) 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 angiogenic stimuli.
Product Categories/Family for anti-HTR1A antibody	Crown Antibodies; Cancer; Metabolism; Neuroscience; Signal Transduction
References	Kobilka B.K.,et al.Nature 329:75-79(1987). Saltzman A.G.,et al.Submitted (FEB-1991) to the EMBL/GenBank/DDBJ databases. Levy F.O.,et al.Submitted (MAY-1992) to the EMBL/GenBank/DDBJ databases. Kitano T.,et al.Mol. Biol. Evol. 21:936-944(2004). Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

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	46107
NCBI Official Full Name	5-hydroxytryptamine receptor 1A
NCBI Official Synonym Full Names	5-hydroxytryptamine (serotonin) receptor 1A, G protein-coupled
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
UniProt Entry Name	5HT1A_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/htr1a-antibody-flow-cytometry-western-blot-elisa/285146>