

Rabbit 5HT1A Receptor Polyclonal Antibody | anti-HTR1A antibody

Anti-5HT1A Receptor antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11520	Rabbit	Reacts with: Human, Rat Predicted to work with: Mouse	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

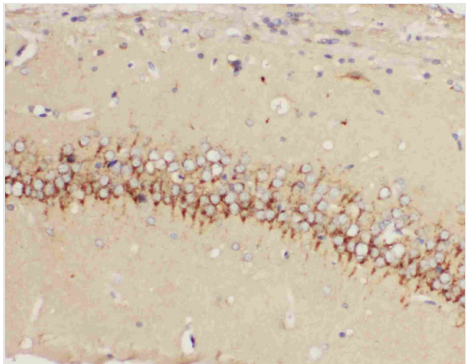
5HT1A Receptor; Polyclonal Antibody; Anti-5HT1A Receptor antibody; 5-hydroxytryptamine receptor 1A(5-HT-1A/5-HT1A); 5-hydroxytryptamine(serotonin) receptor 1A; G protein-coupled; 5 HT 1A antibody; 5 HT receptor 1A antibody; 5 HT1A antibody; 5 HT1A receptor antibody; 5 hydroxytryptamine(serotonin) receptor 1A antibody; 5 hydroxytryptamine(serotonin) receptor 1A G protein coupled antibody; 5 hydroxytryptamine receptor 1A antibody; 5-HT-1A antibody; 5-HT1A antibody; 5-hydroxytryptamine receptor 1A antibody; 5HT 1A antibody; 5HT 1A receptor antibody; 5HT receptor 1A antibody; 5HT1a antibody; 5HT1A_HUMAN antibody; ADRB2RL1 antibody; ADRBRL1 antibody; G 21 antibody; G protein coupled receptor antibody; G-21 antibody; Gpcr 18 antibody; Gpcr18 antibody; Guanine nucleotide binding regulatory protein-coupled receptor antibody; HTR1A antibody; PFMCD antibody; Serotonin 1A receptor antibody; Serotonin 5HT1A receptor antibody; Serotonin receptor 1A antibody; anti-HTR1A antibody

PRODUCT SPECIFICATIONS

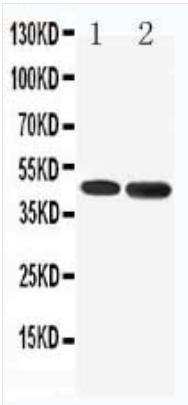
Host	Rabbit
Reactivity	Reacts with: Human, Rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	422
Applicable Applications for anti-HTR1A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: Concentration: 0.1-0.5ug/ml Tested Species: Hu, Rat Predicted Species: Ms Immunohistochemistry (Paraffin-embedded Section): Concentration: 0.5-1ug/ml Tested Species: Rat Predicted Species: Hu, Ms Antigen Retrieval: By Heat Tested Species: In-house tested species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. By Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH6.0, for 20 mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HTR1A (404-422aa NKDFQNAFKIICKFCRQ), different from the related rat and mouse sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-5HT1A Receptor antibody, AAA11520, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-5HT1A Receptor antibody, AAA11520, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Human U87 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-HTR1A antibody	Description: Rabbit IgG polyclonal antibody for 5-hydroxytryptamine receptor 1A(HTR1A) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: HTR1A(5-HYDROXYTRYPTAMINE RECEPTOR 1A), also called SEROTONIN 5-HT-1A RECEPTOR or BETA-2-ADRENERGIC RECEPTOR-LIKE PROTEIN G-21, is a subtype of 5-HT receptor that binds the endogenous neurotransmitter serotonin. It is a G protein-coupled receptor(GPCR) that is coupled to Gi/Go and mediates inhibitory neurotransmission. HTR1A denotes the human gene encoding for the receptor.The HTR1A gene is located at 5q12.3. The decreases in 5-HT-1A receptor densities correlated with decreased glucose utilization as measured by PET scan. Activation of 5-HT-1A receptors has been demonstrated to impair cognition, learning, and memory by inhibiting the release of glutamate and acetylcholine in various areas of the brain. 5-HT-1A receptors in the dorsal raphe nucleus are co-localized with neurokinin 1(NK1) receptors and have been shown to inhibit the release of substance P, their endogenous ligand.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	231454
NCBI GeneID	3350
UniProt Accession #	P08908; Q6LAE7
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; 5-HT1a receptor; guanine nucleotide-binding regulatory protein-coupled receptor
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/5ht1a-receptor-antibody-western-blot-immunohistochemistry-elisa/11520>