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

5-HT-1A Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA324186** | **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 total 5-HT-1A |
| **Purity/Purification** | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| **Form/Format** | Liquid<br>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 |
| **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

**WB (Western Blot)**
Western blot analysis of 5-HT-1A Antibody expression in HepG2 cells lysates.

**IF (Immunofluorescence)**
AAA324186 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.

## ADDITIONAL INFORMATION

| | |
|---|---|
| **Related Product Information for anti-5-HT-1A antibody** | 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.<br>Subunit Structure: Heterodimer; heterodimerizes with GPER1.<br>Similarity: Belongs to the G-protein coupled receptor 1 family. 5-hydroxytryptamine receptor subfamily. HTR1A sub-subfamily. |

## 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 kD<br>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.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/5-ht-1a-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324186