

Datasheet for ABIN6242991

anti-Serotonin Receptor 1A antibody (AA 239-273)[Go to Product page](#)**2** Images

Overview

Quantity:	400 µL
Target:	Serotonin Receptor 1A (HTR1A)
Binding Specificity:	AA 239-273
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 1A antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB46792
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Serotonin Receptor 1A (HTR1A)
Alternative Name:	HTR1A (HTR1A Products)
Background:	G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for

Target Details

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 anxiogenic stimuli.

Molecular Weight: 46107

UniProt: [P08908](#)

Pathways: [JAK-STAT Signaling](#), [Synaptic Membrane](#), [Feeding Behaviour](#)

Application Details

Application Notes: WB: 1:1000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

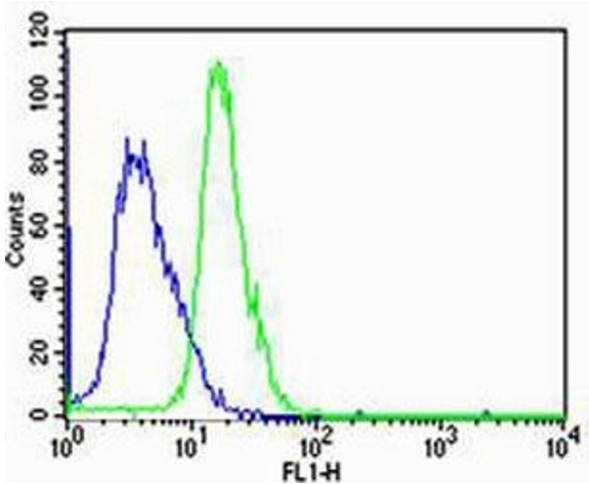
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

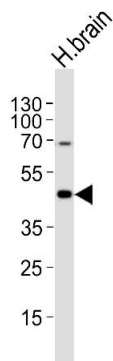
Storage: 4 °C,-20 °C

Expiry Date: 6 months



Flow Cytometry

Image 1. Flow cytometric analysis of Jurkat cells using HTR1A Antibody (Center)(green, Cat(ABIN6242991 and ABIN6577398)) compared to an isotype control of rabbit IgG(blue). (ABIN6242991 and ABIN6577398) was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



Western Blotting

Image 2. Western blot analysis of lysate from human brain tissue lysate, using HTR1A Antibody (Center) (ABIN6242991 and ABIN6577398). (ABIN6242991 and ABIN6577398) 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 35 µg.