

Datasheet for ABIN5675441

anti-HTR2A antibody (AA 171-270) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	HTR2A
Binding Specificity:	AA 171-270
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 5HT2A Receptor
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	HTR2A
Alternative Name:	5HT2A Receptor (HTR2A Products)
Background:	Synonyms: 5-hydroxytryptamine receptor 2A, HTR2A, 5-hydroxytryptamine receptor 2A, 5-HT-2,

Target Details

5-HT-2A, Serotonin receptor 2A, HTR2A, HTR2

Background: G-protein coupled receptor for 5-hydroxytryptamine (serotonin) (PubMed:1330647, PubMed:18703043, PubMed:19057895). Also functions as a receptor for various drugs and psychoactive substances, including mescaline, psilocybin, 1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane (DOI) and lysergic acid diethylamide (LSD) (PubMed:28129538). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors (PubMed:28129538). Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways (PubMed:28129538). Signaling activates phospholipase C and a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and promotes the release of Ca²⁺ ions from intracellular stores (PubMed:18703043, PubMed:28129538). Affects neural activity, perception, cognition and mood (PubMed:18297054). Plays a role in the regulation of behavior, including responses to anxiogenic situations and psychoactive substances. Plays a role in intestinal smooth muscle contraction, and may play a role in arterial vasoconstriction.

Gene ID: 8549

UniProt: [P28223](#)

Pathways: [JAK-STAT Signaling](#), [Inositol Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months