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Datasheet for ABIN7142623  
**anti-HTR2A antibody (AA 385-471) (Biotin)**

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg                                      |
| Target:              | HTR2A                                       |
| Binding Specificity: | AA 385-471                                  |
| Reactivity:          | Human                                       |
| Host:                | Rabbit                                      |
| Clonality:           | Polyclonal                                  |
| Conjugate:           | This HTR2A antibody is conjugated to Biotin |
| Application:         | ELISA                                       |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human 5-hydroxytryptamine receptor 2A protein (385-471AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified  |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | HTR2A   |
| Alternative Name: | HTR2A ( <a href="#">HTR2A Products</a> )  |
| Background:       | Background: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including mescaline, psilocybin, 1- |

## Target Details

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(2,5-dimethoxy-4-iodophenyl)-2-aminopropane (DOI) and lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling activates phospholipase C and a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and promotes the release of Ca<sup>2+</sup> ions from intracellular stores. Affects neural activity, perception, cognition and mood. 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.

Aliases: 5 HT 2 antibody, 5 HT 2A antibody, 5 HT2 receptor antibody, 5 HT2A antibody, 5 hydroxytryptamine receptor 2A antibody, 5-HT-2 antibody, 5-HT-2A antibody, 5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled antibody, 5-hydroxytryptamine 2A receptor antibody, 5-hydroxytryptamine receptor 2A antibody, 5HT2A\_HUMAN antibody, HTR 2 antibody, HTR 2A antibody, HTR2 antibody, HTR2, formerly antibody, HTR2A antibody, serotonin 5-HT-2 receptor, formerly antibody, serotonin 5-HT-2A receptor antibody, Serotonin receptor 2A antibody

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UniProt: [P28223](#)

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

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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

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Storage: -20 °C,-80 °C

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## Handling

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.