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Datasheet for ABIN7142622
anti-HTR2A antibody (AA 385-471)

3 Images

Overview

Quantity:	100 µg
Target:	HTR2A
Binding Specificity:	AA 385-471
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

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 (HTR2A Products)
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

(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 Ca²⁺ 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

UniProt: [P28223](#)

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

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

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

Preservative: ProClin

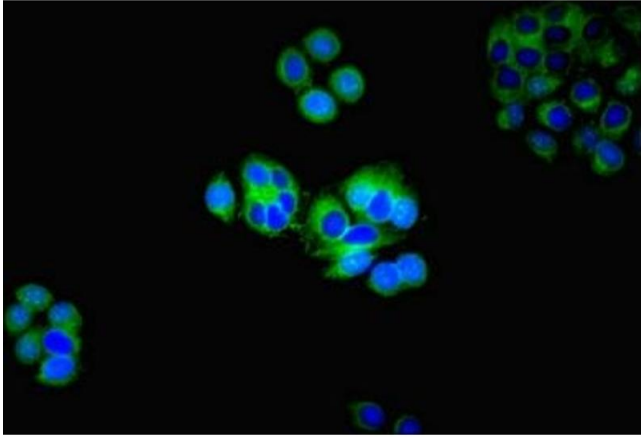
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

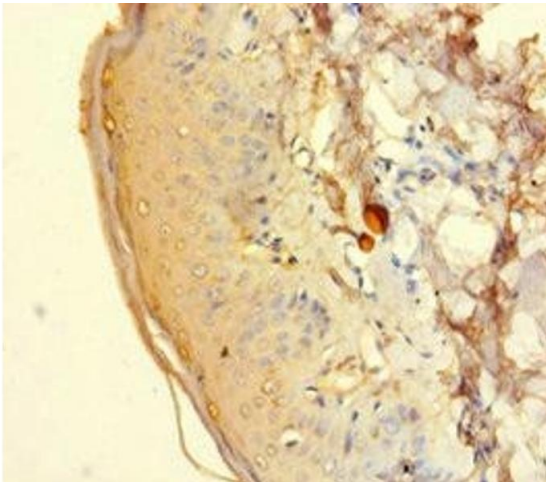
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



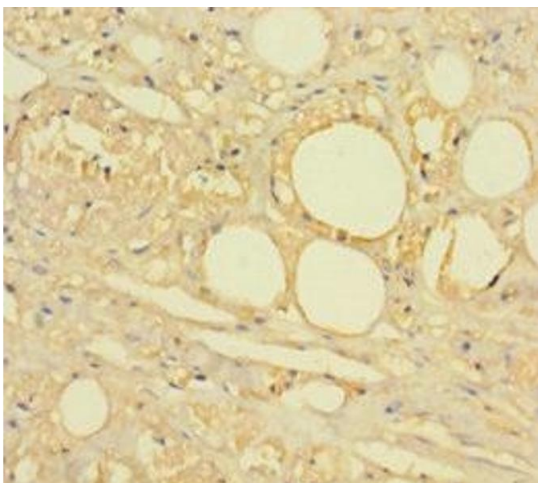
Immunofluorescence

Image 1. Immunofluorescent analysis of PC-3 cells using ABIN7142622 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human adrenal gland tissue using ABIN7142622 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human skin tissue using ABIN7142622 at dilution of 1:100