

Datasheet for ABIN7142626

anti-Serotonin Receptor 2B antibody (AA 382-481)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Serotonin Receptor 2B (HTR2B)
Binding Specificity:	AA 382-481
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 2B antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human 5-hydroxytryptamine receptor 2B protein (382-481AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	Serotonin Receptor 2B (HTR2B)
Alternative Name:	HTR2B (HTR2B Products)
Background:	Background: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various ergot alkaloid derivatives and psychoactive substances. Ligand binding

Target Details

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 a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and down-stream signaling cascades and promotes the release of Ca²⁺ ions from intracellular stores. Plays a role in the regulation of dopamine and 5-hydroxytryptamine release, 5-hydroxytryptamine uptake and in the regulation of extracellular dopamine and 5-hydroxytryptamine levels, and thereby affects neural activity. May play a role in the perception of pain. Plays a role in the regulation of behavior, including impulsive behavior. Required for normal proliferation of embryonic cardiac myocytes and normal heart development. Protects cardiomyocytes against apoptosis. Plays a role in the adaptation of pulmonary arteries to chronic hypoxia. Plays a role in vasoconstriction. Required for normal osteoblast function and proliferation, and for maintaining normal bone density. Required for normal proliferation of the interstitial cells of Cajal in the intestine.

Aliases: 5 HT 2B antibody, 5 HT 2B receptor antibody, 5 HT(2B) antibody, 5 HT2B antibody, 5 hydroxytryptamine (serotonin) receptor 2B antibody, 5 hydroxytryptamine (serotonin) receptor 2B G protein coupled antibody, 5 hydroxytryptamine 2B receptor antibody, 5 hydroxytryptamine receptor 2B antibody, 5-HT-2B antibody, 5-HT2B antibody, 5-hydroxytryptamine receptor 2B antibody, 5HT(2B) antibody, 5HT2B Receptor antibody, 5HT2B_HUMAN antibody, 5HT2F antibody, Htr 2b antibody, Htr2b antibody, NP75 protein antibody, SEROTONIN 5HT2B RECEPTOR antibody, Serotonin receptor 2B antibody, Stomach fundus serotonin receptor antibody

UniProt: [P41595](#)

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

Application Details

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

Restrictions: For Research Use only

Handling

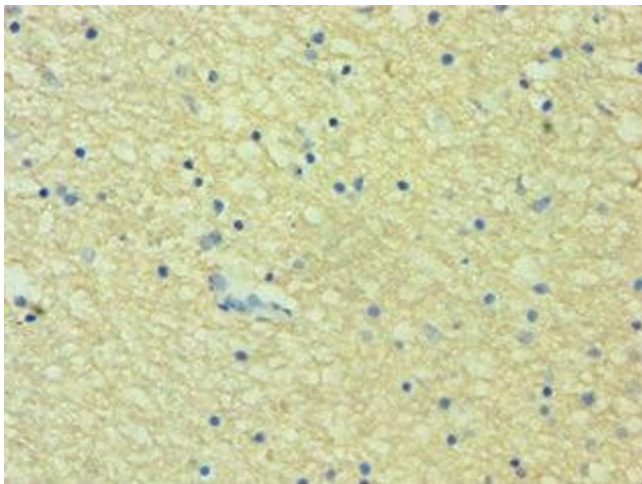
Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Handling

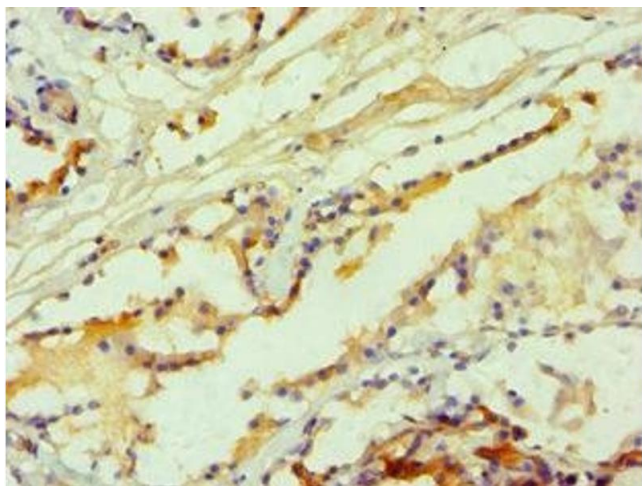
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



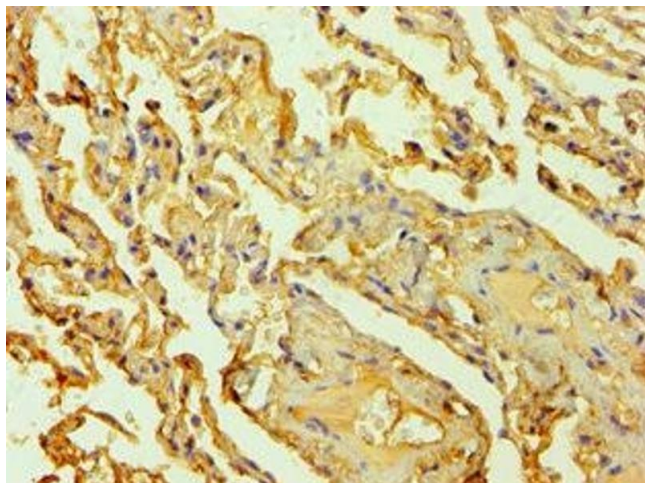
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7142626 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human prostate tissue using ABIN7142626 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human lung tissue using ABIN7142626 at dilution of 1:100