

Datasheet for ABIN6243464
anti-HTR2A antibody (N-Term)



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2 Images

Overview

Quantity:	400 µL
Target:	HTR2A
Binding Specificity:	AA 16-30, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Htr2a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 16-30 amino acids from the N-terminal region of human Htr2a.
Clone:	RB52772
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HTR2A
Alternative Name:	Htr2a (HTR2A Products)
Background:	G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for

Target Details

various drugs and psychoactive substances, including mescaline, psilocybin, 1-(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(2+) 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.

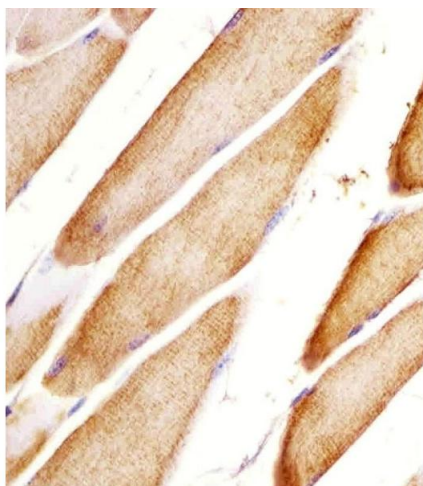
Molecular Weight:	52842
UniProt:	P35363
Pathways:	JAK-STAT Signaling , Inositol Metabolic Process , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:25
Restrictions:	For Research Use only

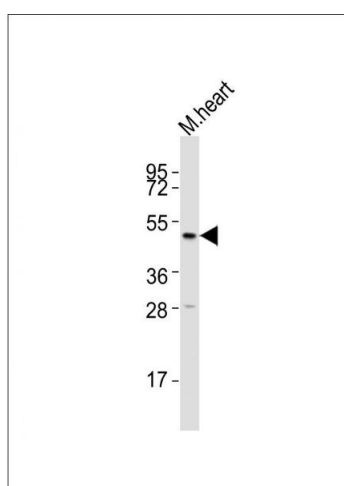
Handling

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6243464 and ABIN6578057) staining Htr2a in mouse skeletal muscle sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. Anti-Htr2a Antibody (N-term). ctrlrat 1:2000 dilution + mouse heart lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 53 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.