Datasheet for ABIN6243464

anti-HTR2A antibody (N-Term)

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

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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


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).ctrlat 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.