

Datasheet for ABIN3042729
anti-HTR2A antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	HTR2A
Binding Specificity:	AA 400-431, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-5HT2A Receptor/HTR2A Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human 5HT2A Receptor , different from the related mouse sequence by three amino acids, and from the related rat sequence by two amino acids.
Sequence:	KENKKPLQLI LVNTIPALAY KSSQLQMGQK KN
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-5HT2A Receptor/HTR2A Antibody Picoband® (ABIN3042729). Tested in IHC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: HTR2A

Alternative Name: HTR2A ([HTR2A Products](#))

Background: Synonyms: 5-hydroxytryptamine receptor 2A,5-HT-2,5-HT-2A,Serotonin receptor 2A,HTR2A,HTR2,
Tissue Specificity: Detected in brain cortex (at protein level). Detected in blood platelets. .
Background: The mammalian HTR2A (5-HT2A receptor) is a subtype of the 5-HT2 receptor that belongs to the serotonin receptor family and is a G protein-coupled receptor (GPCR). This is the main excitatory receptor subtype among the GPCRs for serotonin (5-HT), although 5-HT2A may also have an inhibitory effect on certain areas such as the visual cortex and the orbit frontal cortex. This receptor was given importance first as the target of psychedelic drugs like LSD. Later it came back to prominence because it was also found to be mediating, at least partly, the action of many antipsychotic drugs, especially the atypical ones. 5-HT2A also happens to be a necessary receptor for the spread of the human polyoma virus called JC virus. Sparkes et al. (1991) concluded that the gene is located on 13q14-q21 in man and on chromosome 14 in the mouse.
Sequence Similarities: Belongs to the G-protein coupled receptor 1 family.

Molecular Weight: 53 kDa

Gene ID: 3356

UniProt: [P28223](#)

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

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Rat
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Rat1. Cook EH, Fletcher KE, Wainwright M, Marks N, Yan SY, Leventhal BL (August 1994). "Primary structure of the human platelet serotonin 5-HT2 receptor: identity with frontal cortex serotonin 5-HT2A receptor". J. Neurochem. 63 (2): 465-9. 2. Elphick GF, Querbes W, Jordan JA, Gee GV, Eash S, Manley K, Dugan A, Stanifer M, Bhatnagar A, Kroeze WK, Roth BL, Atwood WJ (2004). "The

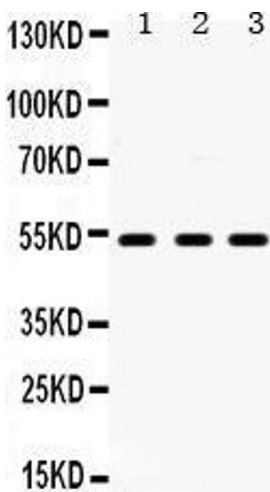
Application Details

	human polyomavirus, JCV, uses serotonin receptors to infect cells". Science 306 (5700): 1380-3.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.