

Datasheet for ABIN3044288
anti-HTR2A antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	HTR2A
Binding Specificity:	AA 418-432, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for 5-hydroxytryptamine receptor 2A(HTR2A) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human 5HT2A Receptor(418-432aa AYKSSQLQMGQKKNS), different from the mouse sequence by one amino acid.
Sequence:	AYKSSQLQMG QKKNS
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for 5-hydroxytryptamine receptor 2A(HTR2A) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: 5-hydroxytryptamine(serotonin) receptor 2A, G protein-coupled

Product Details

Protein Name: 5-hydroxytryptamine receptor 2A(5-HT-2/5-HT-2A)

Purification: Immunogen affinity purified.

Target Details

Target: HTR2A

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

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.

Synonyms: 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: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

Application Details

fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

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 Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

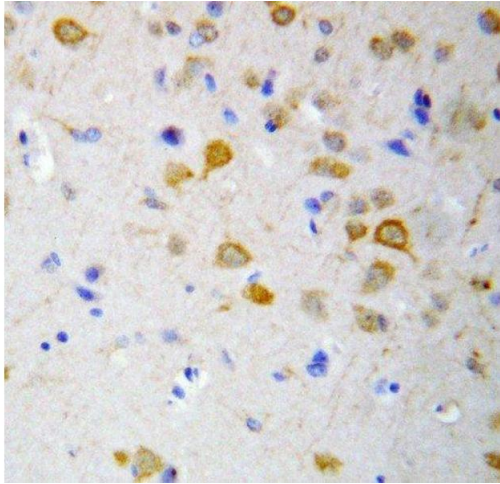
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

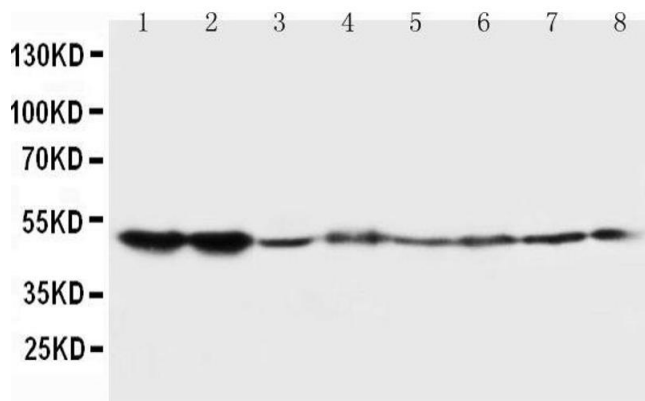
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



Immunohistochemistry

Image 1. Anti-5HT2A Receptor antibody, IHC(P) IHC(P): Rat Brain Tissue



Western Blotting

Image 2. Lane 8: COL0320 Cell Lysate