

Datasheet for ABIN7042875
anti-HTR2A antibody (Extracellular, N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	25 µL
Target:	HTR2A
Binding Specificity:	AA 40-52, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)SEASNWTIDAENR, corresponding to amino acid residues 40-52 of rat 5-Hydroxytryptamine receptor 2A
Isotype:	IgG
Characteristics:	Anti-5HT2A Receptor (HTR2A) (extracellular) Antibody is directed against an epitope of the rat 5-HT-2A receptor. Anti-5HT2A Receptor (HTR2A) (extracellular) Antibody (ABIN7042875, ABIN7045286 and ABIN7045287)) can be used in western blot, immunohistochemistry, and live cell flow cytometry applications. The antibody recognizes an extracellular epitope and is ideal for detecting the receptor in living cells. It has been designed to recognize rat 5-hydroxytryptamine receptor 2A from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

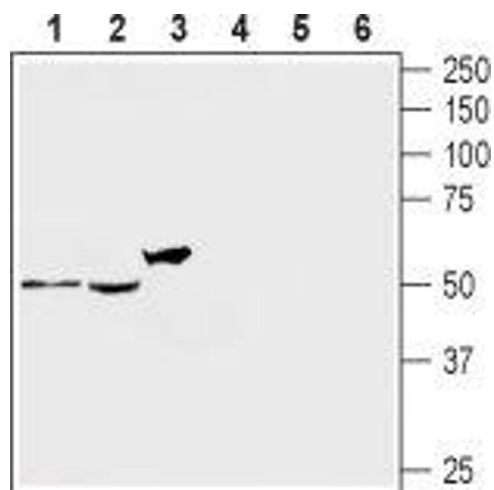
Target:	HTR2A
Alternative Name:	5HT2A Receptor (HTR2A) (HTR2A Products)
Background:	Alternative names: 5HT2A Receptor (HTR2A), 5-Hydroxytryptamine receptor 2A, Serotonin receptor 2A
Gene ID:	29595
NCBI Accession:	NM_000621
UniProt:	P14842
Pathways:	JAK-STAT Signaling , Inositol Metabolic Process , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.9 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

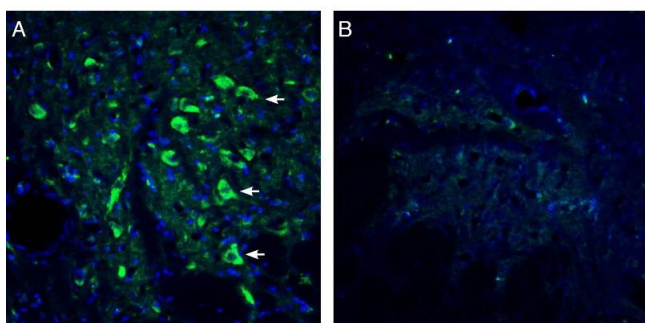
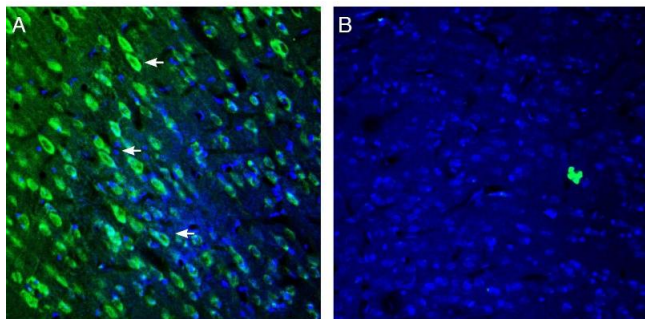
Image 1. Western blot analysis of rat DRG (lanes 1 and 4), mouse brain (lanes 2 and 5) and human brain neuroblastoma SH-SY5Y (lanes 3 and 6) lysates: - 1-3. Anti-5HT2A Receptor (HTR2A) (extracellular) Antibody (ABIN7042875, ABIN7045286 and ABIN7045287), (1:200). 4-6. Anti-5HT2A Receptor (HTR2A) (extracellular) Antibody, preincubated with 5HT2A Receptor/HTR2A (extracellular) Blocking Peptide (#BLP-SR033).

Immunohistochemistry

Image 2. Expression of 5HT2A Receptor in rat cingulate cortex. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-5HT2A Receptor (HTR2A) (extracellular) Antibody (ABIN7042875, ABIN7045286 and ABIN7045287), (1:1200), followed by goat anti-rabbit-AlexaFluor-488. A. 5HT2A Receptor immunoreactivity (green) appears in outlines of cortical neurons (arrows). B. Pre-incubation of the antibody with 5HT2A Receptor (HTR2A) (extracellular) Blocking Peptide (BLP-SR033), suppressed staining. Cell nuclei are stained with DAPI (blue).

Immunohistochemistry

Image 3. Expression of 5HT2A Receptor in rat dorsal raphe nucleus. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-5HT2A Receptor (HTR2A) (extracellular) Antibody (ABIN7042875, ABIN7045286 and ABIN7045287), (1:1200), followed by goat anti-rabbit-AlexaFluor-488. A. 5HT2A Receptor immunoreactivity (green) appears in outlines of neurons (arrows). B. Pre-incubation of the antibody with 5HT2A Receptor (HTR2A) (extracellular) Blocking Peptide (BLP-SR033), suppressed staining. Cell nuclei are stained with DAPI (blue).



Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7042875.