

Datasheet for ABIN7043616

anti-5HT1B Receptor antibody (Extracellular, N-Term)

3 Images

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Overview

Quantity:	50 µL
Target:	5HT1B Receptor (HTR1B)
Binding Specificity:	AA 33-49, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 5HT1B Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CSAKDYIYQDSISLPWK, corresponding to amino acid residues 33-49 of human 5-Hydroxytryptamine receptor 1B
Isotype:	IgG
Characteristics:	Anti-5HT1B Receptor (HTR1B) (extracellular) Antibody (ABIN7043616, ABIN7045280 and ABIN7045281)) is a highly specific antibody directed against an epitope of the human 5-Hydroxytryptamine receptor 1B. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize 5HT1B receptor from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

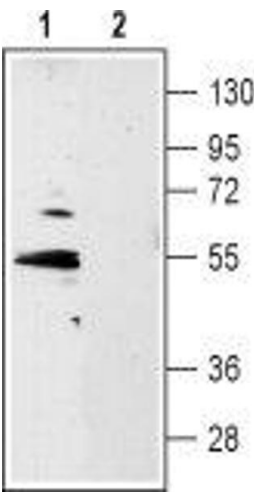
Target:	5HT1B Receptor (HTR1B)
Alternative Name:	5HT1B Receptor (HTR1B) (HTR1B Products)
Background:	Alternative names: 5HT1B Receptor (HTR1B), 5-Hydroxytryptamine receptor 1B, Serotonin receptor 1B, Serotonin 1D beta receptor, 5HT1D-beta, HTR1DB, HTR1D2
Gene ID:	3351
NCBI Accession:	NM_000863
UniProt:	P28222
Pathways:	JAK-STAT Signaling , cAMP Metabolic Process , Regulation of G-Protein Coupled Receptor Protein Signaling , Feeding Behaviour , S100 Proteins

Application Details

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

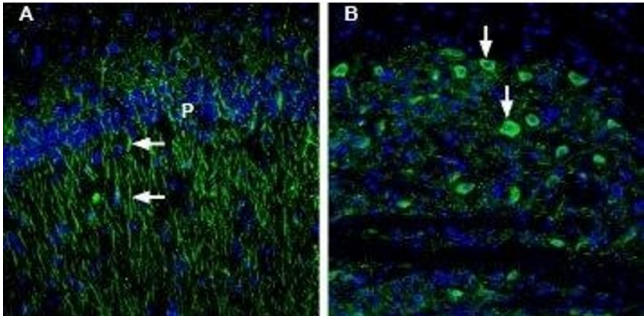
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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>



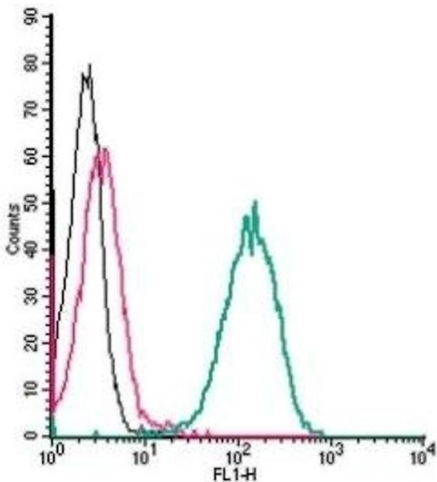
Western Blotting

Image 1. Western blot analysis of rat hippocampus lysate: -
1. Anti-5HT1B Receptor (HTR1B) (extracellular) Antibody (ABIN7043616, ABIN7045280 and ABIN7045281), (1:400). 2. Anti-5HT1B Receptor (HTR1B) (extracellular) Antibody, preincubated with 5HT1B Receptor/HTR1B (extracellular) Blocking Peptide (#BLP-SR022).



Immunohistochemistry

Image 2. Expression of 5-Hydroxytryptamine receptor 1B in rat and mouse brain - Immunohistochemical staining of rat and mouse brain sections using Anti-5HT1B Receptor (HTR1B) (extracellular) Antibody (ABIN7043616, ABIN7045280 and ABIN7045281), (1:200). A. 5-HT1B receptor staining (green) in rat hippocampal CA1 region is detected in the pyramidal layer (P) and apical dendrites (arrows). B. 5-HT1B receptor staining (green) in mouse deep cerebellar nucleus appears in neuronal profiles (arrows). DAPI counterstain is used for nuclei staining.



Flow Cytometry

Image 3. Cell surface detection of 5HT1B Receptor by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-5HT1B Receptor (HTR1B) (extracellular) Antibody (ABIN7043616, ABIN7045280 and ABIN7045281), (2.5 µg) + goat-anti-rabbit-FITC.