Datasheet for ABIN6658050

anti-5HT1B Receptor antibody

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	5HT1B Receptor (HTR1B)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 5HT1B Receptor antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Serotonin Receptor 1B Antibody
Immunogen:	Serotonin Receptor 1B Antibody was produced from whole rabbit serum prepared by repeated immunizations with a mixture of synthetic peptides corresponding to two internal amino acid sequences in rat 5-HT1BR protein.
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Anti-Serotonin Receptor 1B from human, mouse and rat based on 100 % homology with the immunizing sequence.
Purification:	Anti-Serotonin Receptor 1B Antibody was purified by Protein G chromatography.

Target Details

Target:	5HT1B Receptor (HTR1B)
Alternative Name:	Serotonin Receptor 1B (HTR1B Products)

Target Details

Background:	Synonyms: 5ht1b Background: Anti-Serotonin Receptor 1B antibody detects rat Serotonin Receptor 1B. Serotonin (5-hydroxytryptamine, 5-HT), originally discovered as a serum factor plays important roles in regulating diverse biological processes in central and peripheral nervous systems, cardiovascular systems, and gastrointestinal systems. Molecular cloning studies have identified 5 receptors belonging to the 5-HT1 subtypes. These receptors are negatively coupled to adenylyl cyclase. Radioligand binding studies suggest the presence of 5-HT1B (formerly known as 5-HT1DbR) sites in substantia nigra, dorsal subiculum, globus pallidus, and superior collicum. The in situ hybridization studies show abundance of 5-HT1BR mRNA in CA1 pyramidal cells of hippocampus, Purkinje cells of cerebellum, olfactory tubercle, subthalamic nucleus and somewhat lower levels in the caudate-putamen, cortical areas, thalamic and hypothalamic nuclei. Anti-Serotonin Receptor 1B antibody is ideal for investigators involved in neurobiology. Gene Name: Htr1b
Gene ID:	25075
NCBI Accession:	NP_071561
UniProt:	P28564
Pathways:	JAK-STAT Signaling, cAMP Metabolic Process, Regulation of G-Protein Coupled Receptor Protein Signaling, Feeding Behaviour, S100 Proteins

Application Details

Application Notes:	Optional[Neutralization_Dilution]: 1-2 µg/mL
Comment:	Anti-Serotonin Receptor 1B antibody is tested for use in WB and suitable in IF/ICC. Expect a band approximately 40kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

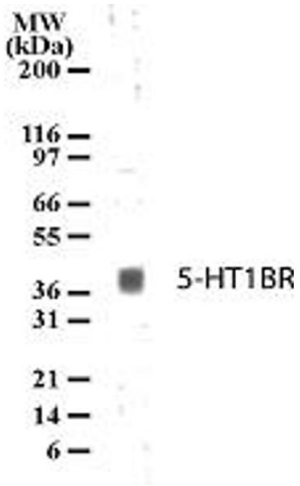
Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 0.05 % BSA Preservative: 0.05 % (w/v) Sodium Azide

Handling

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
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Serotonin Receptor 1B Western Blot. Western Blot of Rabbit Anti-Serotinin Receptor 1B antibody. Lane 1: Human brain lysate. Primary antibody: Serotinin Receptor 1B at µg/mL for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 40-41 kDa for SENP5. Other band(s): none.