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Datasheet for ABIN6256875 anti-5HT1B Receptor antibody (Internal Region)

3 Images



Overview

Quantity:	100 µL	
Target:	5HT1B Receptor (HTR1B)	
Binding Specificity:	Internal Region	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This 5HT1B Receptor antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC)	

Product Details

Immunogen:	A synthesized peptide derived from human 5HT1B Receptor, corresponding to a region within the internal amino acids.
Isotype:	lgG
Specificity:	5HT1B Receptor Antibody detects endogenous levels of total 5HT1B Receptor.
Predicted Reactivity:	Pig,Zebrafish,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:

5HT1B Receptor (HTR1B)

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Target Details		
Alternative Name:	HTR1B (HTR1B Products)	
Background:	Description: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for ergot alkaloid derivatives, various anxiolytic and antidepressant drugs and other psychoactive substances, such as lysergic acid diethylamide (LSD). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. Arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Regulates the release of 5-hydroxytryptamine, dopamine and acetylcholine in the brain, and thereby affects neural activity, nociceptive processing, pain perception, mood and behavior. Besides, plays a role in vasoconstriction of cerebral arteries. Gene: HTR1B	
Molecular Weight:	44 kDa	
Gene ID:	3351	
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:	WB 1:500-1:1000, IHC: 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

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-20 °C

Storage:

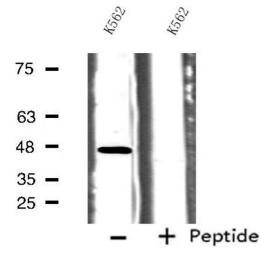
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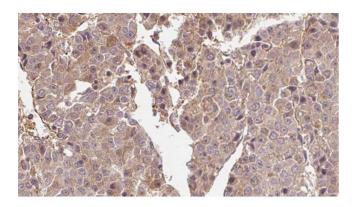
Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date:

Images



12 months



Western Blotting

Image 1. Western blot analysis of extracts from K562 cells, using HTR1B antibody.

Immunohistochemistry

Image 2. ABIN6274569 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Immunofluorescence (fixed cells)

Image 3. ABIN6274569 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

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