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## Datasheet for ABIN655076 anti-Serotonin Receptor 2B antibody (C-Term)

3 Images

1 Publication



## Overview

Quantity:	400 µL
Target:	Serotonin Receptor 2B (HTR2B)
Binding Specificity:	AA 408-435, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This HTR2B antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 408-435 amino acids from the C-terminal region of human HTR2B.
Clone:	RB20470

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Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Serotonin Receptor 2B (HTR2B)
Alternative Name:	HTR2B (HTR2B Products)
Background:	Multiple receptor subtypes of serotonin neurotransmitters with multiple physiologic functions

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	have been recognized. The 5-HT-2 receptors mediate many of the central and peripheral
	physiologic functions of serotonin. Cardiovascular effects include contraction of blood vessels
	and shape changes in platelets, central nervous system effects include neuronal sensitization
	to tactile stimuli and mediation of hallucinogenic effects of phenylisopropylamine
	hallucinogens.
Molecular Weight:	54298
Gene ID:	3357
NCBI Accession:	NP_000858
UniProt:	P41595
Pathways:	JAK-STAT Signaling, Inositol Metabolic Process, Regulation of G-Protein Coupled Receptor
	Protein Signaling, Regulation of Carbohydrate Metabolic Process

## Application Details

Application Notes:	WB: 1:1000. WB: 1:2000. IHC-P: 1:25
Restrictions:	For Research Use only

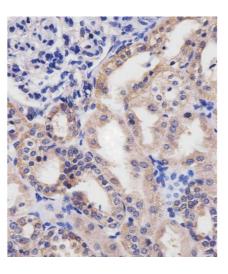
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Sriwattanapong, Slocum, Chawanthayatham, Fedeles, Egner, Groopman, Satayavivad, Croy, Essigmann: "Editor's Highlight: Pregnancy Alters Aflatoxin B1 Metabolism and Increases DNA

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Okamatsu, Kawakami, Komatsu, Kitazawa, Uno, Teraoka: "Functional expression and comparative characterization of four feline P450 cytochromes using fluorescent substrates." in: **Xenobiotica; the fate of foreign compounds in biological systems**, Vol. 47, Issue 11, pp. 951-961, (2017) (PubMed).

### Images

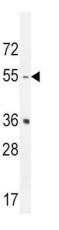


#### Immunohistochemistry (Paraffin-embedded Sections)

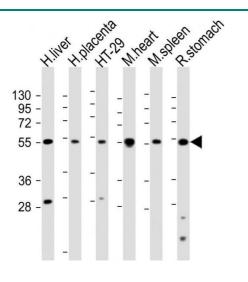
**Image 1.** (ABIN655076 and ABIN2844708) staining HTR2B in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **Western Blotting**

**Image 2.** HTR2B Antibody (C-term ) (ABIN655076 and ABIN2844708) western blot analysis in mouse spleen tissue lysates ( $35 \mu g$ /lane).This demonstrates the HTR2B antibody detected the HTR2B protein (arrow).



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#### Western Blotting

**Image 3.** All lanes : Anti-HTR2B Antibody (C-term ) at 1:2000 dilution Lane 1: human liver lysate Lane 2: human placenta lysate Lane 3: HT-29 whole cell lysate Lane 4: mouse heart lysate Lane 5: mouse spleen lysate Lane 5: rat stomach lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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