Datasheet for ABIN682273

anti-HTR2C antibody (AA 311-410)

1 Image

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Overview

Quantity:	100 µL
Target:	HTR2C
Binding Specificity:	AA 311-410
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 5HTR2C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	HTR2C

Target Details

Alternative Name:	5HTR2C (HTR2C Products)
Background:	Synonyms: 5 Hydroxytryptamine 2C receptor, 5-HT-1C, 5-ht-1c receptor, 5-HT-2C, 5-HT1C, 5-HT2C, 5-HTR2C, 5-hydroxytryptamine serotonin receptor 2C, G protein-coupled, 5-hydroxytryptamine receptor 1C, 5-hydroxytryptamine receptor 2C, 5HT1C, 5HT2C, 5HT2C_HUMAN, 5HTR2C, 5Hydroxytryptamine 2C receptor, Htr1c, HTR2C, serotonin 1c receptor, serotonin 2c receptor, Serotonin 5-HT-2C receptor, Serotonin receptor 2C. Background: Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT2 family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene encodes the 2C subtype of serotonin receptor and its mRNA is subject to multiple RNA editing events, where genomically encoded adenosine residues are converted to inosines. RNA editing is predicted to alter amino acids within the second intracellular loop of the 5-HT2C receptor and generate receptor isoforms that differ in their ability to interact with G proteins and the activation of phospholipase C and D signaling cascades, thus modulating serotonergic neurotransmission in the central nervous system. Studies in humans have reported abnormalities in patterns of 5-HT2C editing in depressed suicide victims. [provided by RefSeq, Jul 2008].
Gene ID:	3358
Pathways:	Inositol Metabolic Process, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

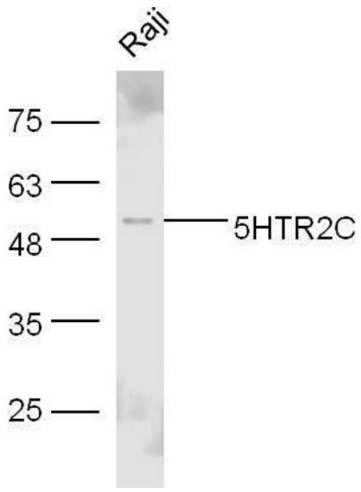
Handling

Format:	Liquid
Concentration:	1 μg/μL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Raji cell lysates probed with Rabbit Anti-5HTR2C Polyclonal Antibody, Unconjugated at 1:500 for 90 min at 37˚C.

