

Datasheet for ABIN682275  
**anti-HTR2C antibody (AA 311-410) (Biotin)**



[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	HTR2C
Binding Specificity:	AA 311-410
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2C antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (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
Alternative Name:	5HTR2C ( <a href="#">HTR2C Products</a> )

## Target Details

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**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].

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**Gene ID:** 3358

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**Pathways:** [Inositol Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Feeding Behaviour](#)

## Application Details

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**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

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handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months