

Datasheet for ABIN617931

anti-HTR2C antibody (AA 439-460)[Go to Product page](#)**1** Image**4** Publications

Overview

Quantity:	0.1 mL
Target:	HTR2C
Binding Specificity:	AA 439-460
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoelectron Microscopy (IEM)

Product Details

Immunogen:	Rat 5-HT2C receptor (439-460)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Characteristics:	<p>The 5-HT 2C Receptor Antibody was raised against synthetic peptide sequence corresponding to amino acids 439-460 of the rat 5-HT2C receptor coupled to KLH and bovine thyroglobulin. The 5-HT2C receptor antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat choroid plexus and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions are /500 - 1/1000 in PBS - Bn/Av-HRP technique. Intensification methods such as nickel will approximately double the dilution factor as</p>

Product Details

recommended. The antibody was characterized by immunohistochemistry and Western blot. Western blotting revealed a single band of approximately 70 kD. Preincubation of the antibody with an excess of the synthetic peptide blocked staining. Immunohistochemical staining of rat brain correlates well with Northern analysis, in situ hybridization and receptor autoradiography. BlastP database sequence homology searches confirmed that this sequence is unique to rat, mouse and human 5-HT_{2C} receptors.

Purification: Affinity Purified

Target Details

Target:	HTR2C
Alternative Name:	Serotonin Receptor 2C (HTR2C) (HTR2C Products)
Background:	Other Names: 5-hydroxytryptamine receptor 2C, 5-HT _{2C} , 5HT-1C, 5-HTR2C, 5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled
Gene ID:	25187
Pathways:	Inositol Metabolic Process , Regulation of Carbohydrate Metabolic Process , Feeding Behaviour

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Contains ≤ 0.09 % 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:	After reconstitution, use immediately or refrigerate at 2 - 8 °C up to 2 days. For long-term storage aliquot antibody and freeze at -15 °C or lower. Avoid repeated freeze/thaw cycles.

Publications

- Product cited in: Zhang, Li, Xin, Lao, Ren, Berman, Tan, Zhang: "Involvement of spinal serotonin receptors in electroacupuncture anti-hyperalgesia in an inflammatory pain rat model." in: **Neurochemical research**, Vol. 36, Issue 10, pp. 1785-92, (2011) ([PubMed](#)).
- Coulon, Kanyshkova, Broicher, Munsch, Wettschureck, Seidenbecher, Meuth, Offermanns, Pape, Budde: "Activity Modes in Thalamocortical Relay Neurons are Modulated by G(q)/G(11) Family G-proteins - Serotonergic and Glutamatergic Signaling." in: **Frontiers in cellular neuroscience**, Vol. 4, pp. 132, (2011) ([PubMed](#)).
- Yang, Mahaffey, Bérubé, Maddatu, Cox, Frankel: "Complex seizure disorder caused by Brunol4 deficiency in mice." in: **PLoS genetics**, Vol. 3, Issue 7, pp. e124, (2007) ([PubMed](#)).
- Holmes: "5-Hydroxytryptamine_{2C} receptors on pudendal motoneurons innervating the external anal sphincter." in: **Brain research**, Vol. 1057, Issue 1-2, pp. 65-71, (2005) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. High magnification image in rat cortex