

Datasheet for ABIN737016
anti-HTR2A antibody (AA 65-160)

5 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	HTR2A
Binding Specificity:	AA 65-160
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTR2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 5-HTR2A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	HTR2A
Alternative Name:	5-HTR2 (HTR2A Products)

Target Details

Background:	<p>Synonyms: HTR2, 5-HT2A, 5-hydroxytryptamine receptor 2A, 5-HT-2, 5-HT-2A, Serotonin receptor 2A, HTR2A</p> <p>Background: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances, including mescaline, psilocybin, 1-(2,5-dimethoxy-4-iodophenyl)-2-aminopropane (DOI) and lysergic acid diethylamide (LSD).</p> <p>Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling activates phospholipase C and a phosphatidylinositol-calcium second messenger system that modulates the activity of phosphatidylinositol 3-kinase and promotes the release of Ca(2+) ions from intracellular stores. Affects neural activity, perception, cognition and mood. Plays a role in the regulation of behavior, including responses to anxiogenic situations and psychoactive substances. Plays a role in intestinal smooth muscle contraction, and may play a role in arterial vasoconstriction.</p>
Gene ID:	3356
UniProt:	P28223
Pathways:	JAK-STAT Signaling , Inositol Metabolic Process , Regulation of Carbohydrate Metabolic Process

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
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

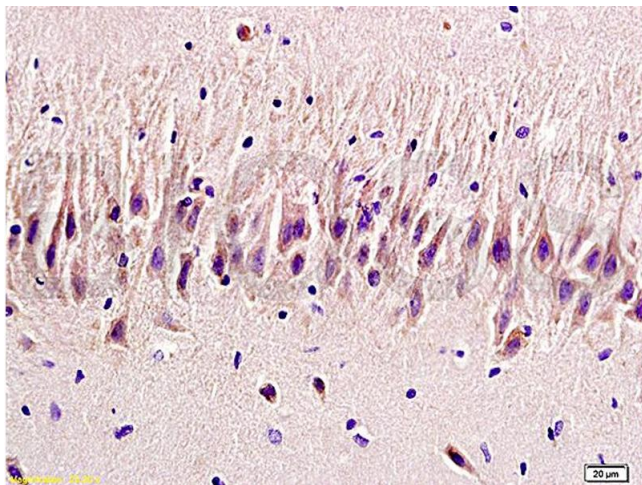
Handling

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

Publications

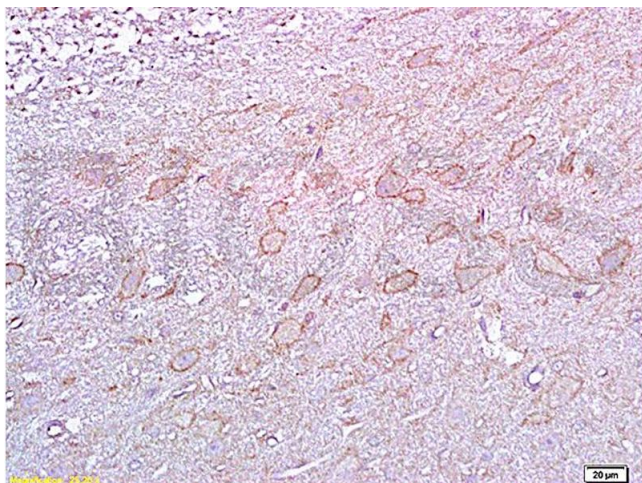
Product cited in:	Sun, Wang, Huang, Cao: "Antihypertensive effect of formononetin through regulating the expressions of eNOS, 5-HT2A/1B receptors and α 1-adrenoceptors in spontaneously rat arteries." in: European journal of pharmacology , Vol. 699, Issue 1-3, pp. 241-9, (2013) (PubMed).
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Images



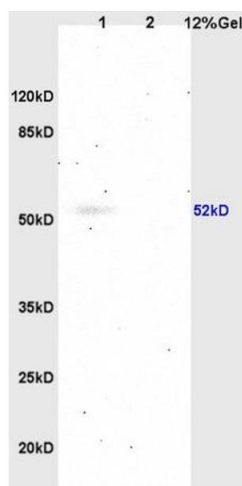
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti 5-HTR2A/HTR2A Polyclonal Antibody, Unconjugated (ABIN737016) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain tissue labeled with : Anti-5-HTR2A Polyclonal Antibody, unconjugated (ABIN737016) at 1: 200 followed by incubation with conjugated secondary antibody and DAB staining



SDS-PAGE

Image 3. L1 rat brain, L2 human colon carcinoma lysates probed (ABIN737016) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band and observed band size: 52kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN737016.