Datasheet for ABIN1386671

anti-HTR2A antibody (AA 51-150)

4	Images	1	Publication

Overview

Quantity:	100 μL
Target:	HTR2A
Binding Specificity:	AA 51-150
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)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human 5HT2A Receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	HTR2A

Target Details

Alternative Name:	5HT2A Receptor (HTR2A Products)
Background:	Synonyms: SR-2A, 5 HT 2, 5 HT 2A, 5 HT2 receptor, 5 HT2A, 5 hydroxytryptamine receptor 2A, 5-HT-2, 5-HT-2A, 5-hydroxytryptamine 2A receptor, 5-hydroxytryptamine receptor 2A, 5HT2A_HUMAN, HTR 2, HTR 2A, HTR2, HTR2A, Serotonin receptor 2A. Background: This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. This receptor is involved in tracheal smooth muscle contraction, bronchoconstriction, and control of aldosterone production.
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
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

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Format:	Liquid
Concentration:	1 µg/µL
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.

Handling

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

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Product cited in:	García-Pedraza, Fernández-González, López, Martín, Alarcón-Torrecillas, Rodríguez-Barbero, Morán, García-Domingo: "Oral fluoxetine treatment changes serotonergic sympatho-regulation in experimental type 1 diabetes." in: **Life sciences**, Vol. 293, pp. 120335, (2022) (PubMed).

Images
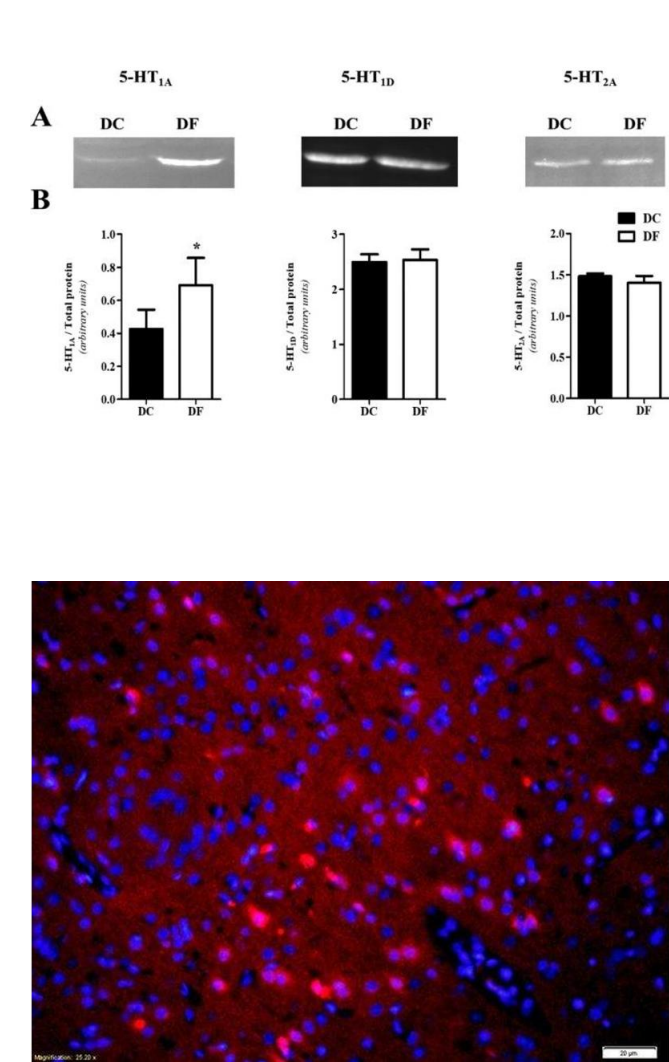
Western Blotting

Image 1. 5-HT1A/1D/2A receptor expression in thoracic aortas from control (DC) and fluoxetine-treated (DF) diabetic rats by Western blot. A representative blot of total protein extracts from four independent experiments is shown, using total amount of protein as a loading control (A). Blots were assessed by densitometric analysis. The ratio of 5-HT receptors expression vs total protein is outlined in the graph (B). All values are represented as mean ± SEM. $*p < 0.05$ vs DC values. Source: PMID35051421

Immunofluorescence (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-5HT2A Receptor/SR-2A Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody, Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37 °C.
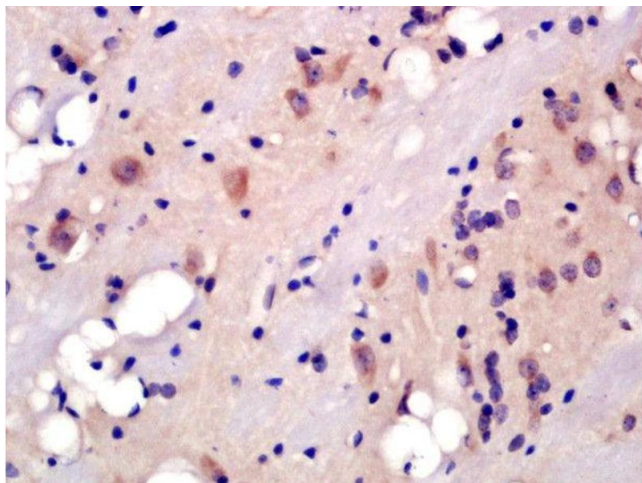
Images

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-5HT2A Receptor/SR-2A Polyclonal Antibody, Unconjugated (ABIN1386671) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 4 images are available for ABIN1386671.