antibodies

Datasheet for ABIN1386672 anti-Serotonin Receptor 5A antibody (AA 1-110)





Overview

Quantity:	100 μL
Target:	Serotonin Receptor 5A (HTR5A)
Binding Specificity:	AA 1-110
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 5A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), 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 5HT5A receptor/SR-5A
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse
Purification:	Purified by Protein A.

Target Details

Target:

Serotonin Receptor 5A (HTR5A)

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Target Details	
Alternative Name:	5HT5A receptor/SR-5A (HTR5A Products)
Background:	Synonyms: HTR5A, 5 HT 5A, 5 hydroxytryptamine 5A receptor, 5-HT-5, 5-HT-5A, 5-HT5A, 5-
	hydroxytryptamine receptor 5A, 5HT5A, 5HT5A_HUMAN, HTR5A, Serotonin receptor 5A.
	Background: SR-5B, also designated 5-hydroxytryptamine (serotonin) receptor 5B (5-HT5B) and
	G protein-coupled receptor 134 (GPR134) is a receptor for the monoamine ligand serotonin (5-
	hydroxytryptamine, 5-HT). Serotonin is a neurotransmitter derived from serotonergic neurons i
	the central nervous system and enterochromaffin cells in the gastrointestinal tract. Serotonin
	actions are mediated by receptors that influence the biochemistry of depression, anxiety,
	sexuality and appetite. Rat SR-5B is present in serotonergic neurons in dorsal raphe (DR) and
	central superior nucleus (CS, median raphe nucleus). DR cell bodies showing SR-5B mRNA
	expression are abundant in the medial portions of the nucleus. CS coexpression of SR-5B
	receptor mRNA with serotonin transporter mRNA is high in the intermediate portions of the
	nucleus. Serotonin receptors include SR-17 (5HT17). Subtypes within the SR-1 group include
	SR-1A, -1B, -1D, -1E and -1F. Subtypes within the SR-2 group include SR-2A, -2B and -2C.
	Subtypes within the SR-5 group include SR-5A and -5B. SR receptors can couple to G proteins
	that act on either adenylate cyclase or phospholipase C (PLC). The SR-3 class of receptors are
	ion channels.32234.
Pathways:	JAK-STAT Signaling
Application Details	
Application Notes:	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

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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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:	García-Pedraza, Hernández-Abreu, Morán, Carretero, García-Domingo, Villalón: "Role of
	peripheral 5-HT5A receptors in 5-HT-induced cardiac sympatho-inhibition in type 1 diabetic rats.
	" in: Scientific reports, Vol. 10, Issue 1, pp. 19358, (2021) (PubMed).