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Datasheet for ABIN6259651 anti-Serotonin Receptor 1A antibody (Internal Region)



1 Publication



Overview

Quantity:	100 µL	
Target:	Serotonin Receptor 1A (HTR1A)	
Binding Specificity:	Internal Region	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Serotonin Receptor 1A antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)	

Product Details

Immunogen:	A synthesized peptide derived from human 5HT1A Receptor, corresponding to a region within the internal amino acids.
Isotype:	lgG
Specificity:	5HT1A Receptor Antibody detects endogenous levels of total 5HT1A Receptor.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

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Serotonin Receptor 1A (HTR1A)

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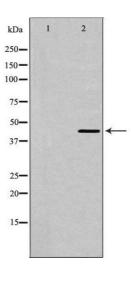
Target Details	
Alternative Name:	HTR1A (HTR1A Products)
Background:	Description: G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca2+ ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli. Gene: HTR1A
Molecular Weight:	46 kDa
Gene ID:	3350
UniProt:	P08908
Pathways:	JAK-STAT Signaling, Synaptic Membrane, Feeding Behaviour
Application Details	
Application Notes:	WB 1:500-1:2000, IHC-p 1:50-1:200, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000- 1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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-20 °C	
Store at -20 °C. Stable for 12 months from date of receipt.	
12 months	
Wang, Ge, Zhang, Chen, Hu, Li, Ye: "Targeted p53 activation by saRNA suppresses human	
bladder cancer cells growth and metastasis." in: Journal of experimental & clinical cancer	

Images



Western Blotting

Image 1. Western blot analysis of 5-HT-1A expression in HepG2 cells. The lane on the left is treated with the antigenspecific peptide.