

Datasheet for ABIN6658059

anti-Serotonin Receptor 3A antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Serotonin Receptor 3A (HTR3A)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Serotonin Receptor 3A Antibody
Immunogen:	Serotonin Receptor 3A Antibody was produced from whole rabbit serum prepared by repeated immunizations with a mixture of synthetic peptides corresponding to two internal amino acid sequences in rat 5-HT1BR protein.
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Anti-Serotonin Receptor 3A from human, mouse, and rat based on 100 % homology with the immunizing sequence.
Purification:	Anti-Serotonin Receptor 3A Antibody was purified by Protein G chromatography.

Target Details

Target:	Serotonin Receptor 3A (HTR3A)
Alternative Name:	Serotonin Receptor 3A (HTR3A Products)

Target Details

Background:	<p>Synonyms: 5-HT3</p> <p>Background: Anti-Serotonin Receptor 3A Antibody detect rat Serotonin Recepto 3A. Serotonin (5-hydroxytryptamine, 5-HT), originally discovered as a serum factor plays important roles in regulating diverse biological processes in central and peripheral nervous systems, cardiovascular systems, and gastrointestinal systems. A 5-HT3 receptor is distinguished from other 5-HT receptors by its structure and function. 5-HT3 receptors span the membrane only four times and are ligand-gated, cation-selective ion channels that mediate neuronal excitation and exocytotic release of neurotransmitters within the peripheral and central nervous systems. Functional studies done on isolated tissues have revealed heterogeneity of this receptor. The human 5-HT3 Receptor Alpha subunits cDNA contains an open reading frame of 1434 base pairs predicting a 23-residue signal peptide and a mature receptor subunit of 455 amino acids. The human subunit exhibits 85 % and 84 % amino acid sequence identity to the mouse and rat receptors, respectively. 5-HT3 Receptor polyclonal antibody shows immunoreactivity in the forebrain (olfactory regions, hippocampal formation and amygdala), sensory and motor nuclei of brainstem and spinal cord. Anti-Serotonin Receptor 3A Antibody is ideal for investigators involved neurobiology research.</p> <p>Gene Name: Htr3a</p>
Gene ID:	79246
NCBI Accession:	NP_077370
UniProt:	Q62999
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Optional[Neutralization_Dilution]: 1:500-1:1000
Comment:	Anti-Serotonin Receptor 3A Antibody is tested for use in IHC and WB. Expect a band approximately 63kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

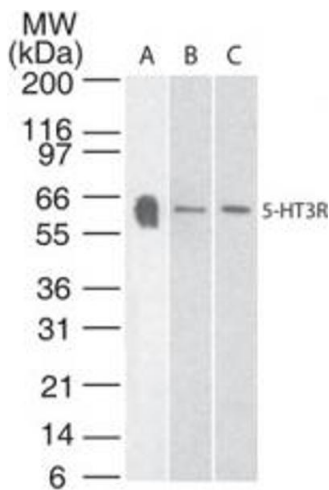
Handling

Format:	Liquid
Buffer:	Optional[Buffer]: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 ,0.05 % (w/v)

Handling

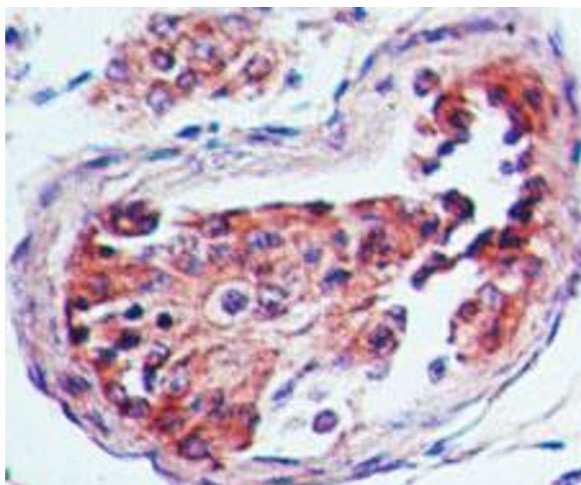
	Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Serotonin Receptor 3A Western Blot. Western Blot of Rabbit Anti-Serotonin Receptor 3A antibody. Lane A: human. Lane B: mouse. Lane C: rat brain tissue lysate. Primary antibody: Serotonin Receptor 3A at 3 µg/mL for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 80 kDa for Serotonin Receptor 3A. Other band(s): none.



Immunohistochemistry

Image 2. Serotonin Receptor 3A Immunohistochemistry. Immunohistochemistry of Rabbit Anti-Serotonin Receptor 3A antibody. Tissue: human testis. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Serotonin Receptor 3A antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Serotonin Receptor 3A as a precipitated red signal with hematoxylin purple nuclear counterstain.