



Datasheet for ABIN617921

anti-Serotonin Receptor 5A antibody (AA 17-34)



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1 Image

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Overview

Quantity:	0.1 mL
Target:	Serotonin Receptor 5A (HTR5A)
Binding Specificity:	AA 17-34
Reactivity:	Rat, Clams (Mytilus)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoelectron Microscopy (IEM)

Product Details

Immunogen:	Rat 5-HT5A receptor (17-34)
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Characteristics:	The 5-HT 5A Receptor Antibody was raised against synthetic peptide sequence corresponding to amino acids 17-34 of the rat 5-HT5A receptor coupled to carrier protein with glutaraldehyde. The 5-HT5A Receptor was quality control tested using standard immunohisto-chemical methods. The antiserum demonstrates strongly positive labeling of rat cortex and hippocampus using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions are 1/100 - 1/300 in PBS/0.3 % Triton X-100 - Cy3 and 1/200 - 1/400 in PBS/0.3 % Triton X-100 - Bn/Av-HRP. Intensification methods such as nickel will

Product Details

approximately double the dilution factor as recommended. The antibody was characterized by immunoblotting and immunohistochemistry. Immunoblots of rat brain extracts revealed the presence of two bands at molecular weights of 41 and 47 kD. The lower weight band agrees with the calculated molecular weight based on amino acid sequence. The higher weight may represent glycosylated receptor protein. Immunohistochemical staining of rat brain correlates well with Northern blot analysis and in situ hybridization studies. Immunolabeling is completely abolished by preadsorption with synthetic rat 5-HT5A receptor (17-34). BlastP database sequence homology searches indicate that the amino acid sequence is unique to rat and mouse 5-HT5A receptor.

Purification: Affinity Purified

Target Details

Target: Serotonin Receptor 5A (HTR5A)

Abstract: [HTR5A Products](#)

Background: Other Names:
5-hydroxytryptamine receptor 5A, 5-HT5A, REC17,5ht5a,MR22,5-hydroxytryptamine (serotonin) receptor 5A, G protein-coupled

Gene ID: 25689

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Contains ≤ 0.09 % 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: After reconstitution, use immediately or refrigerate at 2 - 8 °C up to 2 days. For long-term

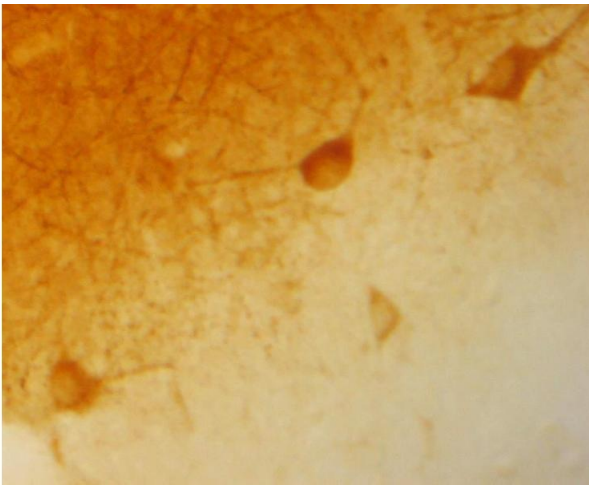
Handling

storage aliquot antibody and freeze at -15 °C or lower. Avoid repeated freeze/thaw cycles.

Publications

Product cited in: Orbegozo-Medina, Martínez-Sernández, González-Warleta, Castro-Hermida, Mezo, Ubeira: "Vaccination of sheep with Quil-A® adjuvant expands the antibody repertoire to the Fasciola MF6p/FhHDM-1 antigen and administered together impair the growth and antigen release of flukes." in: **Vaccine**, Vol. 36, Issue 15, pp. 1949-1957, (2018) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. IHC image of neurons in rat hippocampus.