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Datasheet for ABIN297638

anti-Serotonin Receptor 3A antibody (AA 21-36)

2 Images

Overview

Quantity:	50 µg
Target:	Serotonin Receptor 3A (HTR3A)
Binding Specificity:	AA 21-36
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	This antibody was developed by immunizing rabbits with a mixture of synthetic peptides corresponding to amino acids 21-36 (RATQAHSTTQPALLRL) and 421-436 (LSSIRHSLEKRDEMRE) of rat 5-HT3A receptor, GenBank no AAB02949. Percent identity by BLAST analysis: Rat (100%), Mouse (88%), Hamster (81%). Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	In human brain, a 47-50 kD band is observed.
Predicted Reactivity:	Percent identity by BLAST analysis: Rat (100%) Mouse (88%) Hamster (81%).

Product Details

Purification: Protein G purified

Target Details

Target: Serotonin Receptor 3A (HTR3A)

Alternative Name: HTR3A / 5-HT3A Receptor ([HTR3A Products](#))

Background: Name/Gene ID: HTR3A

Subfamily: Serotonin 5-HT3 receptor

Family: Ion channel

Synonyms: HTR3A, 5-HT3-A, 5-HT3R-A, 5-HT3 receptor, 5HT3 serotonin receptor, 5-HT3A, 5-HT3a receptor, 5-hydroxytryptamine receptor 3, 5-HT-3, 5-HT3, 5-HT3R, 5HT3R, HTR3, Serotonin receptor 3A

Gene ID: 3359

UniProt: [P46098](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: Approved: IHC, IHC-P (5 µg/mL), WB (1 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.

Comment: Target Species of Antibody: Rat

Restrictions: For Research Use only

Handling

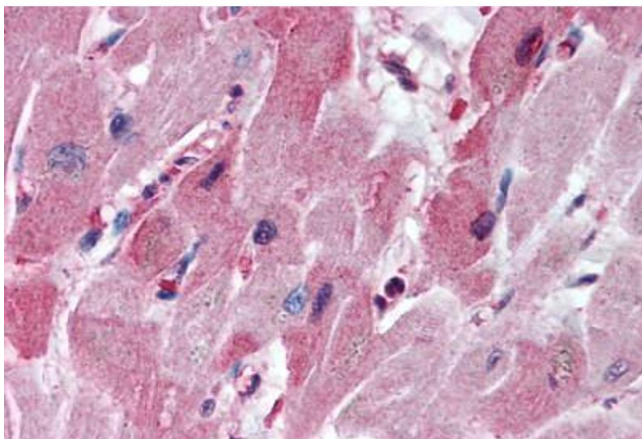
Format: Liquid

Concentration: Lot specific

Handling

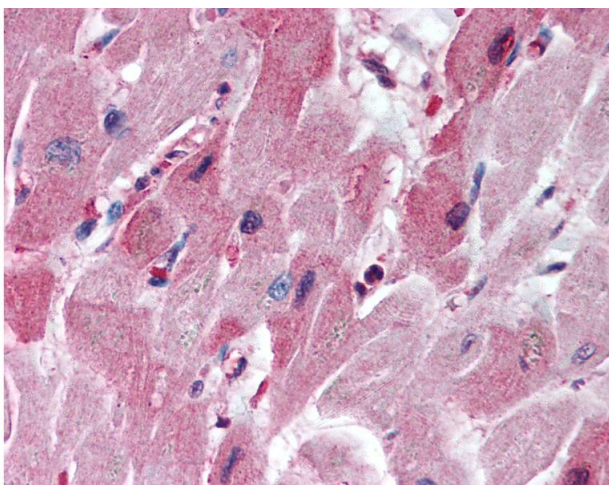
Buffer:	PBS, 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Heart (formalin-fixed, paraffin-embedded) stained with HTR3A antibody ABIN297638 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-5HT3A receptor antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.