Datasheet for ABIN7043623

anti-Serotonin Receptor 3B antibody (Extracellular, N-Term) (Atto 488)

2 Images

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Overview

Quantity:	50 µL
Target:	Serotonin Receptor 3B (HTR3B)
Binding Specificity:	AA 213-226, Extracellular, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Serotonin Receptor 3B antibody is conjugated to Atto 488
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HIRQSSAGDFAQIR, corresponding to amino acid residues 213-226 of rat 5-Hydroxytryptamine receptor 3B
Isotype:	IgG
Characteristics:	Anti-5HT3B Receptor (HTR3B) (extracellular) Antibody (ABIN7043622 and ABIN7045285)) is a highly specific antibody directed against an epitope of rat Serotonin receptor 3B. The antibody can be used in western blot and immunohistochemistry applications. It recognizes an extracellular epitope and can potentially detect 5-HT3B in living cells. It has been designed to recognize 5-HT3B from rat and mouse samples. The antibody is unlikely to recognize the receptor from human samples. \nAnti-5HT3B Receptor (HTR3B) (extracellular)-ATTO Fluor-488 Antibody (#ABIN7043623) is directly labeled with an ATTO-488 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum

Product Details

	yield, and high photo-stability. The ATTO-488 label is analogous to the well known dye fluorescein isothiocyanate (FITC) and can be used with filters typically used to detect FITC. Anti-5HT3B Receptor (HTR3B) (extracellular)-ATTO Fluor-488 Antibody is especially suited for experiments requiring simultaneous labeling of different markers.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	Serotonin Receptor 3B (HTR3B)
Alternative Name:	5HT3B Receptor (HTR3B) (HTR3B Products)
Background:	Alternative names: 5HT3B Receptor (HTR3B), 5-Hydroxytryptamine receptor 3B, Serotonin receptor 3B
Gene ID:	58963
NCBI Accession:	NM_006028
UniProt:	Q9JJ16
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

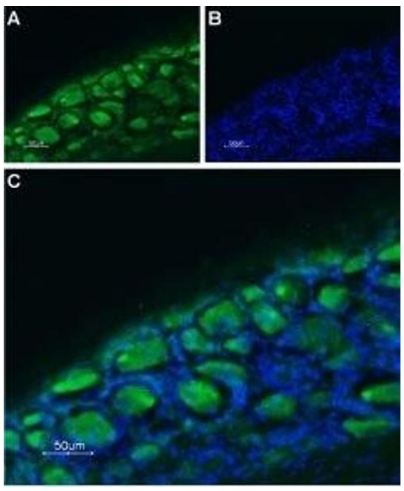
Handling

Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).
Concentration:	1 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 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.
Storage:	RT,4 °C,-20 °C

Handling

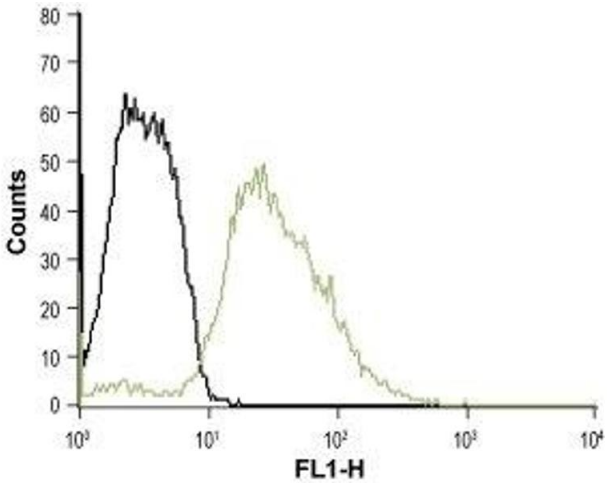
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Immunohistochemistry

Image 1. Expression of Serotonin receptor 3B in rat DRG - Immunohistochemical staining of rat dorsal root ganglion (DRG) frozen sections using Anti-5HT3B Receptor (HTR3B) (extracellular)-ATTO Fluor-488 Antibody (ABIN7043623). A. 5-HT3B staining (green) appears in neuronal cell bodies. B. Nuclear staining using DAPI as the counterstain. C. Merged image of A and B.



Flow Cytometry

Image 2. Cell surface detection of Serotonin receptor 3B in K562 intact living cells: (black line) Unstained cells (green line) Cells + Anti-5HT3B Receptor (HTR3B) (extracellular)-ATTO Fluor-488 Antibody, (ABIN7043623), (5-10 µg/0.5-1x10^6 cells.).