

Datasheet for ABIN7043339

anti-Mucolipin 3 antibody (Cytoplasmic Domain, Intracellular) (Atto 594)



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1 Image

Overview

Quantity:	50 µL
Target:	Mucolipin 3 (Mcoln3)
Binding Specificity:	AA 528-542, Cytoplasmic Domain, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Mucolipin 3 antibody is conjugated to Atto 594
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	<p>Immunogen: Synthetic peptide</p> <p>Immunogen Sequence: CKDLPNSGKYRLEDD, corresponding to amino acid residues 528-542 of mouse TRPML3</p>
Isotype:	IgG
Characteristics:	<p>Anti-TRPML3 (Mucolipin 3) Antibody (ABIN7043338 and ABIN7044043)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize TRPML3 from human, rat and mouse samples.</p> <p>Anti-TRPML3 (Mucolipin 3)-ATTO Fluor-594 Antibody (#ABIN7043339) is directly labeled with an ATTO-594 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo-stability. The ATTO-594 fluorescent label belongs to the class of Rhodamine dyes and can be used with fluorescent equipment typically optimized to detect</p>

Product Details

Texas Red and Alexa-594. Anti-TRPML3 (Mucolipin 3)-ATTO Fluor-594 Antibody has been tested in immunohistochemical applications and is specially suited to experiments requiring simultaneous labeling of different markers.

Purification: Affinity purified on immobilized antigen.

Target Details

Target: Mucolipin 3 (Mcoln3)

Alternative Name: TRPML3 (Mucolipin 3) ([Mcoln3 Products](#))

Background: Alternative names: TRPML3 (Mucolipin 3), Mcoln3

Gene ID: 171166

NCBI Accession: [NM_018298](#)

UniProt: [Q8R4F0](#)

Pathways: [Sensory Perception of Sound](#)

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

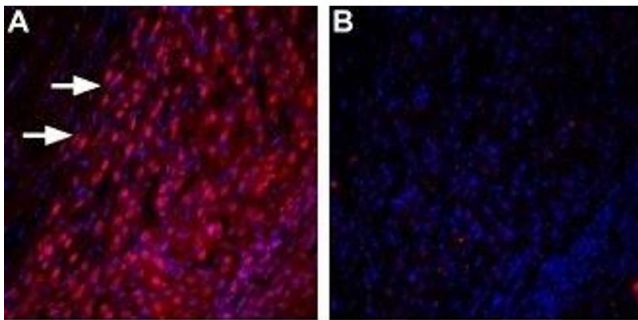
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature.

Handling

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 Mucolipin 3 in mouse brain - Immunohistochemical staining of TRPML3 in mouse brain frozen section with Anti-TRPML3 (Mucolipin 3)-ATTO Fluor-594 Antibody (ABIN7043339). A. Staining revealed TRPML3 positive nerve cell profiles in the brainstem auditory nucleus. B. Preincubation with the immunogen peptide suppressed the above staining pattern.