

Datasheet for ABIN7043338

anti-Mucolipin 3 antibody (Cytoplasmic Domain, Intracellular)[Go to Product page](#)**2** Images

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 un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CKDLPNSGKYRLEDD, corresponding to amino acid residues 528-542 of mouse TRPML3
Isotype:	IgG
Characteristics:	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.
Purification:	Affinity purified on immobilized antigen.

Target Details

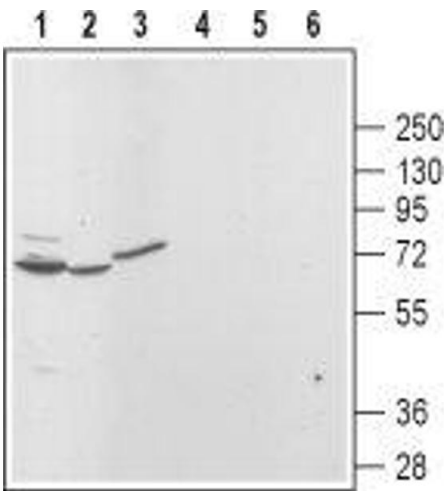
Target:	Mucolipin 3 (Mcoln3)
Alternative Name:	TRPML3 (Mucolipin 3) (Mcoln3 Products)
Background:	Alternative names: TRPML3 (Mucolipin 3), Mcoln3
Gene ID:	171166
NCBI Accession:	NM_018298
UniProt:	Q8R4F0
Pathways:	Sensory Perception of Sound

Application Details

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

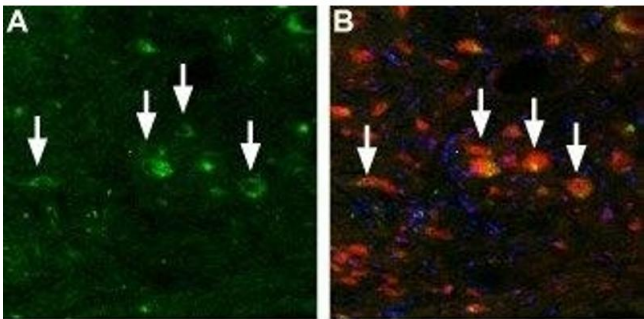
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C 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).</p>



Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 4), kidney (lanes 2 and 5) and pancreas (lanes 3 and 6): - 1,2,3. Anti-TRPML3 (Mucolipin 3) Antibody (ABIN7043338 and ABIN7044043), (1:200).4,5,6. Anti-TRPML3 (Mucolipin 3) Antibody, preincubated with TRPML3/Mucolipin 3 Blocking Peptide (#BLP-CC083).



Immunohistochemistry

Image 2. Expression of Mucolipin 3 in mouse brain stem - Immunohistochemical staining of TRPML3 in mouse brain stem using Anti-TRPML3 (Mucolipin 3) Antibody (ABIN7043338 and ABIN7044043). A. TRPML3 (green) appears in neurons (arrows) in the area of the dorsal cochlear nucleus. B. Staining of the same section with mouse anti-parvalbumin (red) reveals that the TRPML3 appears in a subset of neurons in this nucleus. DAPI is used as the counterstain (blue).