

Datasheet for ABIN7043337

anti-Mucolipin 2 (MCOLN2) (AA 212-228), (Intracellular), (N-Term) antibody[Go to Product page](#)**3** Images

Overview

Quantity:	50 µL
Target:	Mucolipin 2 (MCOLN2)
Binding Specificity:	AA 212-228, Intracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RLDFYRLVQVDISFALK, corresponding to amino acid residues 212-228 of mouse TRPML2
Isotype:	IgG
Characteristics:	Anti-TRPML2 (Mucolipin-2) Antibody (ABIN7043337, ABIN7044041 and ABIN7044042)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize TRPML2 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

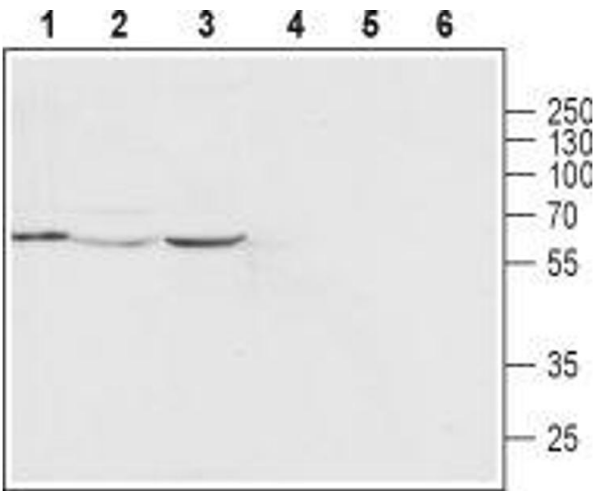
Target:	Mucolipin 2 (MCOLN2)
Alternative Name:	TRPML2 (Mucolipin-2) (MCOLN2 Products)
Background:	Alternative names: TRPML2 (Mucolipin-2), Mcoln2
Gene ID:	68279
NCBI Accession:	NM_153259
UniProt:	Q8K595

Application Details

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

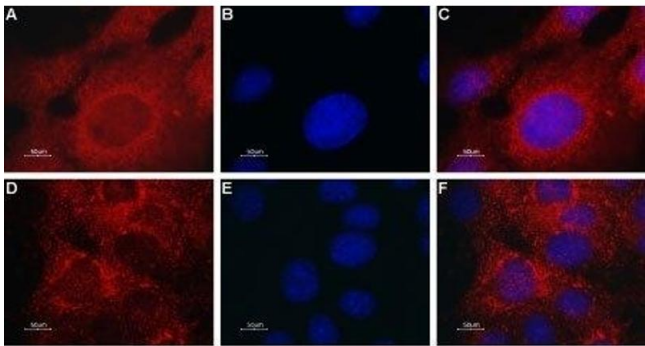
Handling

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>



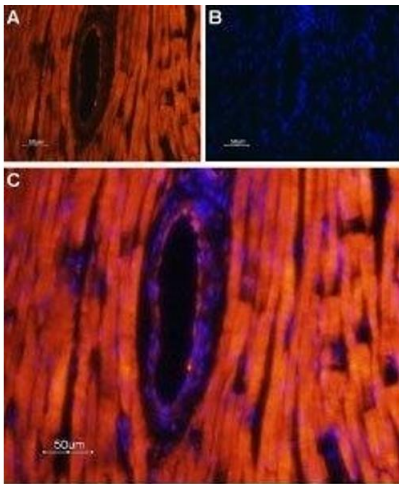
Western Blotting

Image 1. Western blot analysis of human MCF-7 breast adenocarcinoma cell line (lanes 1 and 4), rat heart (lanes 2 and 5) and mouse heart (lanes 3 and 6) lysates: - 1-3. Anti-TRPML2 (Mucolipin-2) Antibody (ABIN7043337, ABIN7044041 and ABIN7044042), (1:200). 4-6. Anti-TRPML2 (Mucolipin-2) Antibody, preincubated with TRPML2/Mucolipin-2 Blocking Peptide (#BLP-CC082).



Immunocytochemistry

Image 2. Expression of TRPML2 in mouse muscle myoblast (C2C12) cell line - Immunocytochemical staining of TRPML2 in C2C12 cells. A. Cells were stained with Anti-TRPML2 (Mucolipin-2) Antibody (ABIN7043337, ABIN7044041 and ABIN7044042), (red), (1:50) followed by goat anti-rabbit-AlexaFluor-594 secondary antibody. B. DAPI is used as the counter staining (blue). C. Merged images of A and B.



Immunohistochemistry

Image 3. Expression of TRPML2 in rat heart - Immunohistochemical staining of rat heart paraffin-embedded sections using Anti-TRPML2 (Mucolipin-2) Antibody (ABIN7043337, ABIN7044041 and ABIN7044042), followed by AlexaFluor-555 secondary antibody. A. TRPML2 labeling appears specifically in the cardiac muscle fibers and in a lesser intensity in the endothelium. It does not appear in the smooth muscle fibers of blood vessels. B. Nuclear staining using DAPI as the counterstain. C. Merged images of A and B.