

Datasheet for ABIN6991239  
**anti-TMEM38A antibody (C-Term)**



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## Overview

Quantity:	0.1 mg
Target:	TMEM38A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMEM38A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	TMEM38A antibody was raised against a 17 amino acid synthetic peptide from near the carboxy terminus of human TMEM38A. The immunogen is located within the last 50 amino acids of TMEM38A.
Isotype:	IgG
Purification:	TMEM38A Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	TMEM38A
Alternative Name:	TMEM38A ( <a href="#">TMEM38A Products</a> )
Background:	TMEM38A Antibody: TMEM38A and TMEM38B are two recently identified trimeric intracellular cation (TRIC) channel subtypes. TMEM38A is preferentially expressed in excitable tissues such

## Target Details

as striated muscle and brain and localizes to the sarcoplasmic reticulum (SR) in muscle tissues. Mice deficient in both TMEM38A and TMEM38B suffer embryonic cardiac failure, the cardiac myocytes display severe dysfunction in SR Ca<sup>2+</sup> handling, weakened Ca<sup>2+</sup> release, and reduced K<sup>+</sup> permeability indicating that the TRIC cation channels are likely to act as counter-ion channels that function in synchronization with Ca<sup>2+</sup> release from intracellular stores. Other experiments have shown that TMEM38A and TMEM38B can act with junctophilin proteins to support efficient ryanodine receptor-mediated Ca<sup>2+</sup> release in muscle cells.

Gene ID: 79041

UniProt: [Q9H6F2](#)

## Application Details

Application Notes: TMEM38A antibody can be used for detection of TMEM38A by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples and Immunofluorescence in mouse samples.  
All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TMEM38A Antibody is supplied in PBS containing 0.02 % 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: -20 °C, 4 °C

Storage Comment: TMEM38A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.