

Datasheet for ABIN7043862

**anti-TMEM38B antibody (Cytoplasmic Loop, Intracellular)**[Go to Product page](#)**3** Images

## Overview

Quantity:	50 µL
Target:	TMEM38B
Binding Specificity:	AA 116-126, Cytoplasmic Loop, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMEM38B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GMKEVTRTWKIVG, corresponding to amino acid residues 116-126 of rat TRIC-B
Isotype:	IgG
Characteristics:	Anti-TRIC-B (TMEM38B) Antibody (ABIN7043862 and ABIN7045314)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize TRIC-B from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

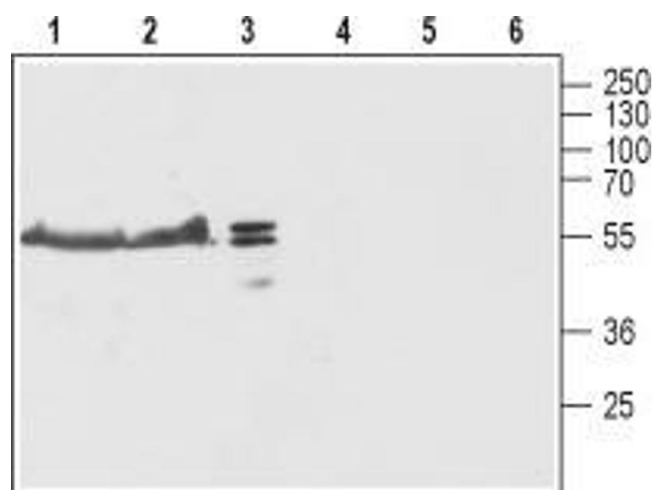
Target:	TMEM38B
Alternative Name:	TRIC-B (TMEM38B) ( <a href="#">TMEM38B Products</a> )
Background:	Alternative names: TRIC-B (TMEM38B), Trimeric intracellular cation channel type B, Transmembrane protein 38B
Gene ID:	362521
NCBI Accession:	<a href="#">NM_018112</a>
UniProt:	<a href="#">Q68FV1</a>

## Application Details

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

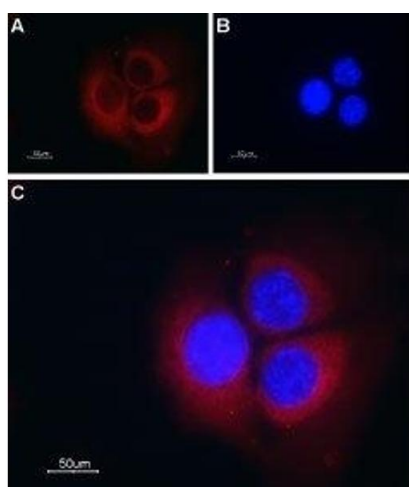
## Handling

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>



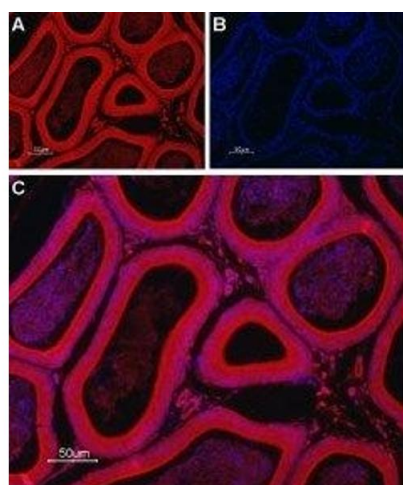
### Western Blotting

**Image 1.** Western blot analysis of rat brain (lanes 1 and 4), mouse brain (lanes 2 and 5) and SH-SY5Y (lanes 3 and 6) lysates: - 1-3. Anti-TRIC-B (TMEM38B) Antibody (ABIN7043862 and ABIN7045314), (1:200). 4-6. Anti-TRIC-B (TMEM38B) Antibody, preincubated with TRIC-B/TMEM38B Blocking Peptide (#BLP-TC001).



### Immunocytochemistry

**Image 2.** Expression of TRIC-B in mouse muscle myoblast (C2C12) cell line - Immunocytochemical staining of mouse paraformaldehyde-fixed and permeabilized muscle myoblast (C2C12) cell line. A. Cells were stained with Anti-TRIC-B (TMEM38B) Antibody (ABIN7043862 and ABIN7045314), (1:200) followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). B. Nuclear staining using DAPI as the counterstain (blue). C. Merged images of panels A and B.



### Immunohistochemistry

**Image 3.** Expression of TRIC-B in rat testis - Immunohistochemical staining of rat testis paraffin-embedded sections using Anti-TRIC-B (TMEM38B) Antibody (ABIN7043862 and ABIN7045314), followed by goat anti-rabbit-Alexa-Fluor-594 secondary antibody. A. TRIC-B labeling appears in the columnar principal epithelium of the epididymis and in the endothelium of the surrounding blood vessels. B. Nuclear staining using DAPI as the counterstain. C. Merged images of A and B.