

## Product datasheet

# Anti-TMEM38A antibody ab113676

[2 Images](#)

### Overview

<b>Product name</b>	Anti-TMEM38A antibody
<b>Description</b>	Rabbit polyclonal to TMEM38A
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide from the C terminal region of Human TMEM38A, conjugated to KLH.
<b>Positive control</b>	Human skeletal muscle tissue; Rat skeletal muscle tissue lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab113676** in the following tested applications.

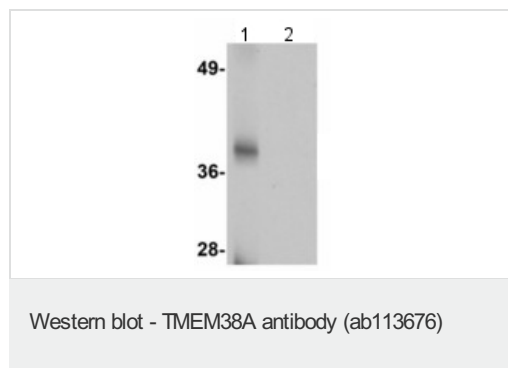
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 33 kDa.
ELISA		Use at an assay dependent concentration.
IHC-P		Use a concentration of 5 µg/ml.

## Target

<b>Function</b>	Monovalent cation channel required for maintenance of rapid intracellular calcium release. May act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores.
<b>Sequence similarities</b>	Belongs to the TMEM38 family.
<b>Domain</b>	The second transmembrane domain has been proposed to cross only half of the lipid bilayer and to loop back into the cytosol, so that the domains on each side of this domain are both found on the cytosolic face of the membrane. The cytosolic loop may form an ion-conducting pore.
<b>Cellular localization</b>	Sarcoplasmic reticulum membrane. Nucleus membrane.

## Images

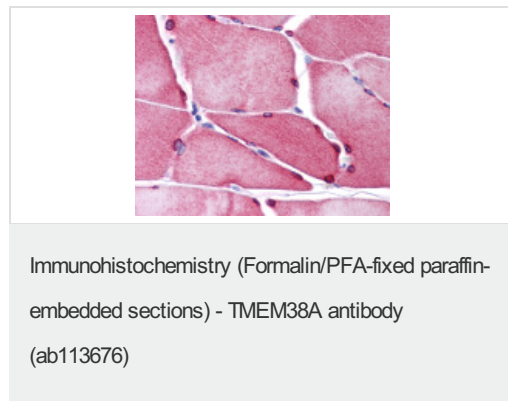


**All lanes :** Anti-TMEM38A antibody (ab113676) at 1 µg/ml

**Lane 1 :** Rat skeletal muscle tissue lysate

**Lane 2 :** Rat skeletal muscle tissue lysate with blocking peptide

**Predicted band size :** 33 kDa



[ab113638](#), at 5 µg/ml, staining TMEM38A in formalin fixed, paraffin embedded Human skeletal muscle tissue by Immunohistochemistry.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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