

## Product datasheet

### Anti-TRPM7 + TRPM6 antibody [EPR4582] ab109438

Recombinant RabMAb

★ ★ ★ ★ ★ **1 Abreviews** **14 References** [4 Images](#)

#### Overview

<b>Product name</b>	Anti-TRPM7 + TRPM6 antibody [EPR4582]
<b>Description</b>	Rabbit monoclonal [EPR4582] to TRPM7 + TRPM6
<b>Host species</b>	Rabbit
<b>Specificity</b>	The immunogen used for this product shares 86% homology with TRPM6 (ten amino acid stretch with 100% homology). ab109438 has been shown to cross react with TRPM6 in WB.
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt or ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	HuT-78, JAR, and HepG2 whole cell lysate ( <a href="#">ab7900</a> ). HeLa cells and cell lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol, 0.05% BSA, 59% PBS</p>

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR4582
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab109438 in the following tested applications.

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

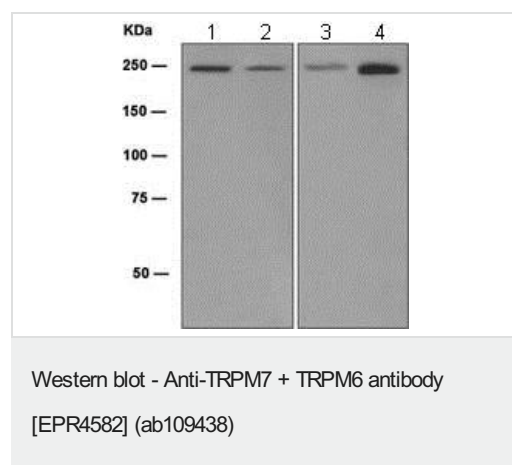
Application	Abreviews	Notes
<b>WB</b>	★ ★ ★ ★ ★ (1)	1/1000 - 1/10000. Predicted molecular weight: 213 kDa.

**Application notes** Is unsuitable for Flow Cyt or ICC/IF.

## Target

**Cellular localization** TRPM7: Membrane. TRPM6: Multi-pass membrane protein.

## Images



**All lanes** : Anti-TRPM7 + TRPM6 antibody [EPR4582] (ab109438) at 1/1000 dilution (unpurified)

**Lane 1** : HeLa cell lysate

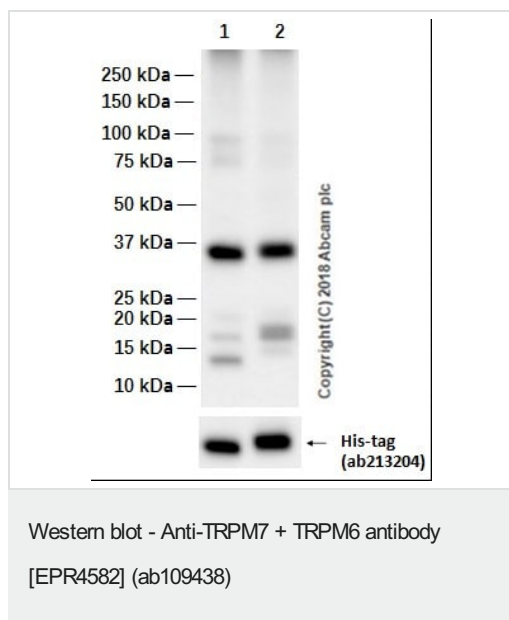
**Lane 2** : HuT-78 cell lysate

**Lane 3** : JAR cell lysate

**Lane 4** : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 213 kDa



**All lanes :** Anti-TRPM7 + TRPM6 antibody [EPR4582] (ab109438) at 1/500 dilution

**Lane 1 :** His-Tagged human TRPM6 (aa 1755 to 2022) recombinant protein with 5% NFDm/TBST

**Lane 2 :** His-Tagged human TRPM7 (aa 1599 to 1986) recombinant protein with 5% NFDm/TBST

Lysates/proteins at 0.01 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 213 kDa

**Observed band size:** 35 kDa

**Exposure time:** 3 seconds

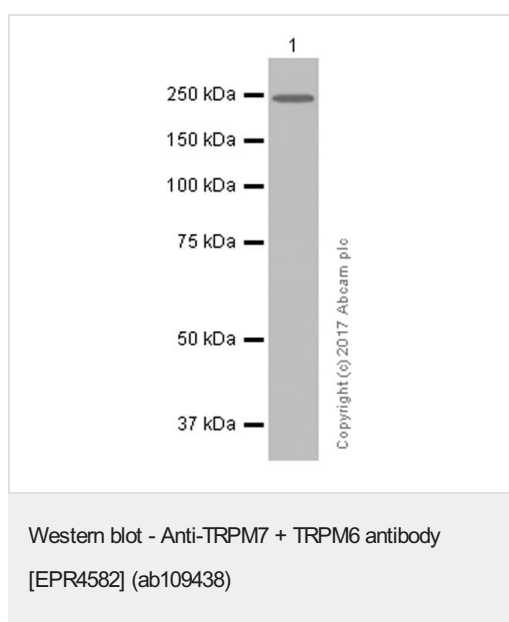
Anti-TRPM7 + TRPM6 antibody [EPR4582] (ab109438) at 1/1000 dilution (purified) + JAR (Human placenta choriocarcinoma epithelial cell) whole cell lysates at 15 µg

## Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 213 kDa

Blocking and diluting buffer: 5% NFDm/TBST.



### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TRPM7 + TRPM6 antibody [EPR4582]  
(ab109438)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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