


## Product datasheet

### Anti-Ramp4-2 antibody [EPR14338] ab184571

Recombinant RabMAb

5 Images

#### Overview

<b>Product name</b>	Anti-Ramp4-2 antibody [EPR14338]
<b>Description</b>	Rabbit monoclonal [EPR14338] to Ramp4-2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	293T, LnCaP and SW480 cell lysates; Human liver tissue; SW480 cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 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>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14338
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab184571 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		1/10000 - 1/50000. Detects a band of approximately 7 kDa (predicted molecular weight: 7 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/250.

## Target

### Function

May interact with target proteins during translocation into the lumen of the endoplasmic reticulum. May protect unfolded target proteins against degradation and facilitate correct glycosylation.

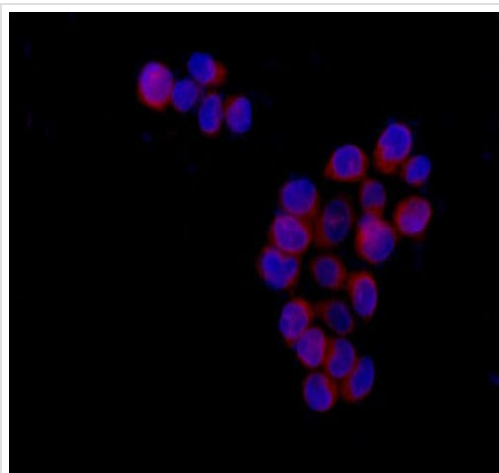
### Sequence similarities

Belongs to the RAMP4 family.

### Cellular localization

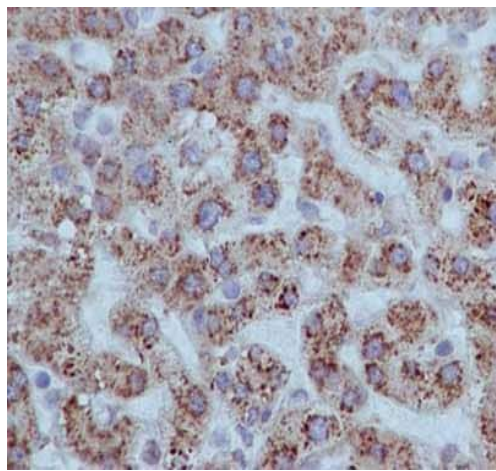
Membrane. Endoplasmic reticulum membrane.

## Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed SW480 cells labeling Ramp4-2 with ab184571 at 1/250 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody at 1/200 diution. Counter stained with Dapi (blue).

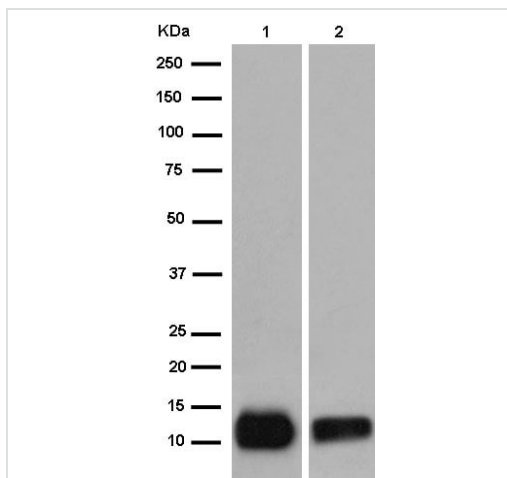
Immunocytochemistry/ Immunofluorescence - Anti-Ramp4-2 antibody [EPR14338] (ab184571)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ramp4-2 antibody [EPR14338] (ab184571)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Ramp4-2 with ab184571 at 1/500 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-Ramp4-2 antibody [EPR14338] (ab184571)

**All lanes** : Anti-Ramp4-2 antibody [EPR14338] (ab184571) at 1/100000 dilution

**Lane 1** : LnCaP cell lysate

**Lane 2** : SW480 cell lysate

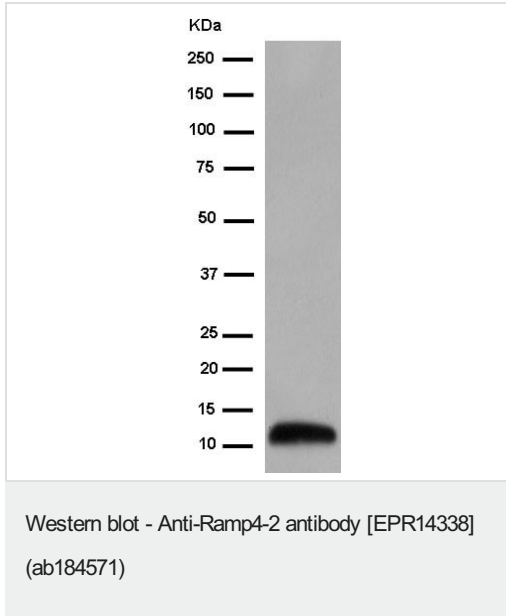
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 7 kDa

**Observed band size:** 7 kDa



Anti-Ramp4-2 antibody [EPR14338] (ab184571) at 1/50000 dilution + 293T cell lysate at 20 µg





**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 7 kDa

**Observed band size:** 7 kDa

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Ramp4-2 antibody [EPR14338] (ab184571)

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

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