

### Anti-TIMP4 antibody ab38987

★★★★★ [1 Abreviews](#) [2 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-TIMP4 antibody
<b>Description</b>	Rabbit polyclonal to TIMP4
<b>Host species</b>	Rabbit
<b>Specificity</b>	Ab38987 recognises the carboxyterminal region of TIMP4. It does not react with other TIMPs.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Synthetic peptide based on the carboxyterminal region of human TIMP4. Read Abcam's proprietary immunogen policy (Peptide available as <a href="#">ab41155</a> .)
<b>Positive control</b>	Human TIMP4, cell media from human colorectal adenocarcinoma and rat heart.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</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.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituent: 2.9% Sodium chloride</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab38987 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)	<p>1/1000 - 1/5000. Detects a band of approximately 23 kDa (predicted molecular weight: 26 kDa). Recommended starting dilution of 1/1000 when using colorimetric substrates such as BCIP/NBT and 1/5000 when using chemiluminescent substrates.</p> <p>Predicted molecular weight: 26 kDa. When used against the reduced protein, ab38987 identifies bands at 23 and 29 kDa.</p>

## Target

### Function

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7 and MMP-9.

### Tissue specificity

Abundant in heart and present at low levels in many other tissues.

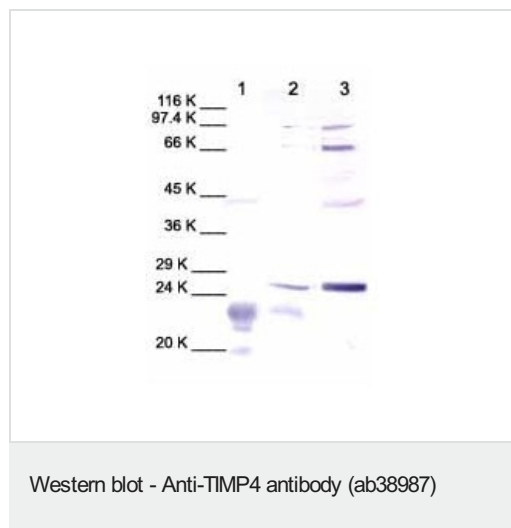
### Sequence similarities

Belongs to the protease inhibitor I35 (TIMP) family.  
Contains 1 NTR domain.

### Cellular localization

Secreted.

## Images



**All lanes :** Anti-TIMP4 antibody (ab38987) at 1/1000 dilution

**Lane 1 :** human TIMP4

**Lane 2 :** cell media from human colorectal adenocarcinoma

**Lane 3 :** rat heart

**Predicted band size:** 26 kDa

**Observed band size:** 25,45,66,97 kDa

**Additional bands at:** 20 kDa, 23 kDa (possible glycosylated form). We are unsure as to the identity of these extra bands.

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

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