




## Product datasheet

### Anti-TIMP2 antibody [F27P3A4] ab230511

[2 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-TIMP2 antibody [F27P3A4]
<b>Description</b>	Mouse monoclonal [F27P3A4] to TIMP2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Horse, Chicken, Guinea pig, Cow, Dog 
<b>Immunogen</b>	Synthetic peptide corresponding to Human TIMP2 aa 50-150 conjugated to ovalbumin. Database link: <a href="#">P16035</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human breast tissue. WB: Recombinant human TIMP2 protein.
<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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from TCS?
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	F27P3A4

Isotype

IgG2a

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab230511 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.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 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, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.

### Sequence similarities

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

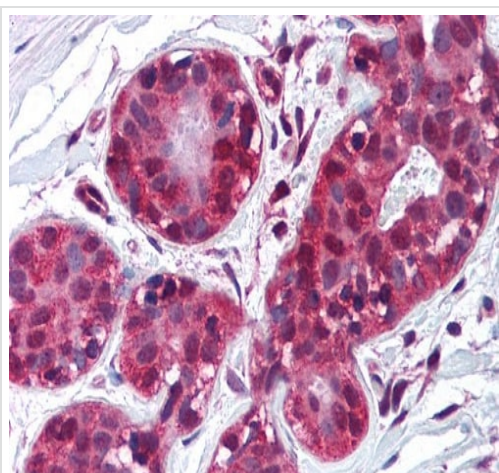
### Post-translational modifications

The activity of TIMP2 is dependent on the presence of disulfide bonds.

### Cellular localization

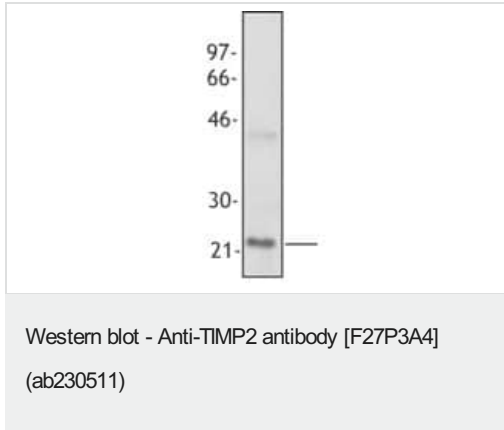
Secreted.

## Images



Formalin-fixed, paraffin-embedded human breast tissue stained for TIMP2 using ab230511 at 10 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIMP2 antibody  
[F27P3A4] (ab230511)



Anti-TIMP2 antibody [F27P3A4] (ab230511) + recombinant human  
TIMP2 protein

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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