

## Product datasheet

# Anti-MMP3 antibody ab18898

★★★★★ 2 Abreviews 9 References

### Overview

<b>Product name</b>	Anti-MMP3 antibody
<b>Description</b>	Goat polyclonal to MMP3
<b>Host species</b>	Goat
<b>Specificity</b>	ab18898 recognises MMP-3.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Horse, Human
<b>Immunogen</b>	Recombinant full length protein (Human)(Peptide available as <a href="#">ab53328</a> .)

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, 1% BSA, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab18898** 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
IHC-Fr		
WB	★★★★★	
IP		

## Application notes

IHC-Fr: Use at a concentration of 15 - 25 µg/ml.

IP: Use at a concentration of 10 - 20 µg/ml.

WB: Use at a concentration of 1 - 4 µg/ml. Predicted molecular weight: 54 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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## Target

### Function

Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.

### Sequence similarities

Belongs to the peptidase M10A family.

Contains 4 hemopexin-like domains.

### Domain

The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.

### Cellular localization

Secreted > extracellular space > extracellular matrix.

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