

Product datasheet

Anti-MMP3 antibody ab18898

★★★★★ 2 Abreviews 5 References

Overview

<b>Product name</b>	Anti-MMP3 antibody
<b>Description</b>	Goat polyclonal to MMP3
<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		

<b>Application notes</b>	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.
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Not yet tested in other applications.

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

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## Target

<b>Function</b>	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.
<b>Sequence similarities</b>	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
<b>Domain</b>	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.
<b>Cellular localization</b>	Secreted > extracellular space > extracellular matrix.

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