

Product datasheet

Anti-MMP3 antibody ab18898

★★★★★ 2 Abreviews 9 References

Overview

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

Properties

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

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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