
Anti- MMP-3

Cat #: HM1228
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The matrix metalloproteinases (MMP) are a family of peptidase enzymes that are involved in the breakdown of extracellular matrix components, including collagen, gelatin, fibronectin, laminin and proteoglycan. This process is important in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive propeptides which are activated when cleaved by extracellular proteinases. MMP-3 can degrade fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. It is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

SPECIFICITY

This antibody specifically reacts with MMP-3 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide derived from N-terminus of human MMP-3 protein.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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6. Nagase, H. and Woessner, J.F. Jr. (1999) Matrix metalloproteinases. *J. Biol. Chem.* 274, 21491-21494.
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