

MMP12

Reactivity: Human Mouse Rat

Tested applications: WB IHC ICC IP FC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IP 1:20 - 1:50
FC 1:20 - 1:50

Calculated MW: 54/45/22 kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human MMP12

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ME; HME; MME; MMP-12;

Catalog #: A11017

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID: 4321

Isotype: IgG

Swiss Prot: P39900

Purity: Affinity purification

For research use only.

Background:

This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded preproprotein is proteolytically processed to generate the mature protease. This protease degrades soluble and insoluble elastin. This gene may play a role in aneurysm formation and mutations in this gene are associated with lung function and chronic obstructive pulmonary disease (COPD). This gene is part of a cluster of MMP genes on chromosome 11.

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