

MMP12 Antibody

Rabbit mAb Catalog # AP90407

Product Information

Application WB
Primary Accession P39900
Reactivity Human
Clonality Monoclonal

Other Names Macrophage metalloelastase; MME; 3.4.24.65; Macrophage elastase; ME; hME;

Matrix metalloproteinase-12; MMP-12; MMP12; HME;

IsotypeRabbit IgGHostRabbitCalculated MW54002

Additional Information

Dilution WB 1:1000~1:2000 **Purification** Affinity-chromatography

Immunogen A synthesized peptide derived from human MMP12

Description MMP-12 lacks a transmembrane domain and furin cleavage site. The zymogen

for MMP-12 is about 54 kDa, and is quickly activated to the 45 kDa form, and this breaks down to cascade of active forms, ending with the common 22 kDa form. Stimulated macrophages produce MMP-12; it has also been found in

osteosarcoma cells, synovial fibroblasts and lung fibroblasts.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name MMP12

Synonyms HME

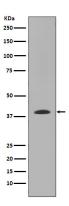
Function May be involved in tissue injury and remodeling. Has significant elastolytic

activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.

Cellular Location Secreted, extracellular space, extracellular matrix

Tissue Location Found in alveolar macrophages but not in peripheral blood monocytes

Images



Western blot analysis of MMP12 expression in WI-38 cell lysate.

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