

Product Datasheet

MMP12 Antibody



Catalog No: CY5368

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB

Information

UniProt ID: P39900

All Names: Macrophage metalloelastase; MME; 3.4.24.65; Macrophage elastase; ME; hME; Matrix metalloproteinase-12; MMP-12; MMP12; HME;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

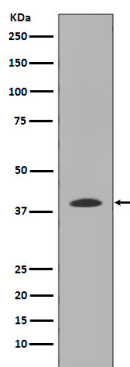
Molecular Wt.: 54 kDa

Application

WB: 1:1000~1:2000

Background

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. MMP-12 levels in quiescent cells and tissues are minimal (with the exception of macrophages), and mitogen stimulation or protein concentration is often needed to visualize the bands. In addition, cell types differ greatly in the quantity of MMP-12 produced.



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

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