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MMP12 Rabbit mAb

Catalog # AP75728

Product Information

Application	WB, IP
Primary Accession	P39900
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	54002

Additional Information

Gene ID	4321
Other Names	MMP12
Dilution	WB~~1:1000-1:5000 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

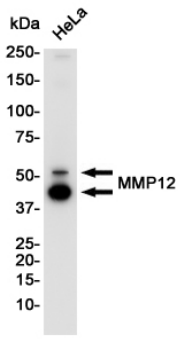
Name	MMP12
Synonyms	HME
Function	May be involved in tissue injury and remodeling. Has significant elastolytic activity. Can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Found in alveolar macrophages but not in peripheral blood monocytes

Background

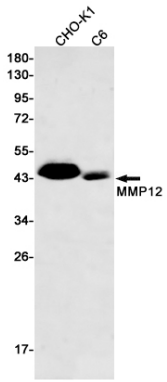
MMP-12 lacks a transmembrane domain and furin cleavage site. The zymogen for MMP-12 is about 54 kDa,

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.

Images



Western blot analysis of MMP12 in Hela lysates using MMP12 antibody.



Western blot analysis of MMP12 in CHO-K1, C6 lysates using MMP12 antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.