

Rabbit anti-Human MMP-1 Polyclonal Antibody | anti-MMP-1 antibody

MMP-1 Polyclonal Antibody

CATALOG # AAA179802	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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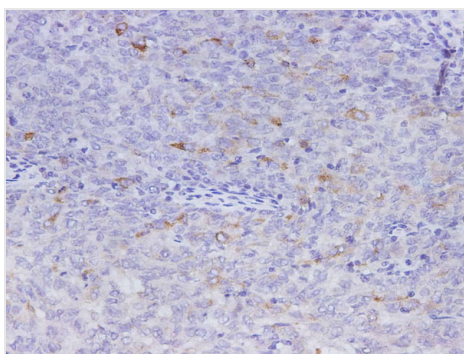
PRODUCT SYNONYMS

MMP-1; Polyclonal Antibody; MMP-1 Polyclonal Antibody; CLGmatrix metalloprotease 1; CLGN; EC 3.4.24; EC 3.4.24.7; Fibroblast collagenase; interstitial collagenase; matrix metalloproteinase 1 (interstitial collagenase); matrix metalloproteinase 1 (interstitial collagenase); Matrix metalloproteinase-1; MMP1; anti-MMP-1 antibody

PRODUCT SPECIFICATIONS

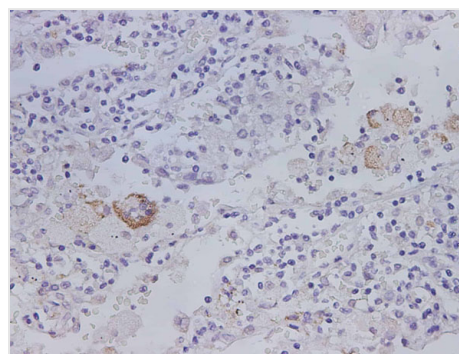
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-MMP-1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Mouse MMP-1 protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human cervical cancer using MMP-1 Polyclonal Antibody at dilution of 1:1200



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer using MMP-1 Polyclonal Antibody at dilution of 1:1200

ADDITIONAL INFORMATION

Related Product Information for anti-MMP-1 antibody	Matrix metalloproteinases are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP-1 (interstitial collagenase), can degrade a broad range of substrates including types I, II, III, VII, VIII, and X collagens as well as casein, gelatin, alpha β 1 antitrypsin, myelin basic protein, L-Selectin, pro-TNF, IL-1 beta, IGF-BP3, IGF-BP5, pro MMP-2 and pro MMP-9. A significant role of MMP-1 is the degradation of fibrillar collagens in extracellular matrix remodeling, characterized by the cleavage of the interstitial collagen triple helix into α 1, β 1 fragments. However, as the list of substrates above illustrates, the role of MMP-1 is more diverse than originally envisaged, and may involve enzyme cascades, cytokine regulation and cell surface molecule modulation. MMP-1 is expressed by fibroblasts, keratinocytes, endothelial cells, monocytes and macrophages. Structurally, MMP-1 may be divided into several distinct domains; a pro-domain which is cleaved upon activation; a catalytic domain containing the zinc binding site; a short hinge region and a carboxyl terminal (hemopexin-like) domain.
Product Categories/Family for anti-MMP-1 antibody	Polyclonal Antibodies ; Primary Antibodies ; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	14030785
NCBI GeneID	83995
NCBI Accession #	NP_114395.1
NCBI GenBank Nucleotide #	NM_032006.3
UniProt Accession #	Q9EPL5 ; Q149J4
Molecular Weight	53,488 Da
NCBI Official Full Name	interstitial collagenase A
NCBI Official Synonym Full Names	matrix metalloproteinase 1a (interstitial collagenase)
NCBI Official Symbol	Mmp1a
NCBI Official Synonym Symbols	McolA; Mcol-A
NCBI Protein Information	interstitial collagenase A
UniProt Protein Name	Interstitial collagenase A
UniProt Gene Name	Mmp1a
UniProt Synonym Gene Names	McolA; MMP-1a
UniProt Entry Name	MMP1A_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp-1-antibody-immunohistochemistry-elisa/179802>