

Rabbit anti-Human MMP1 Polyclonal Antibody | anti-MMP1 antibody

MMP1 Antibody (Center)

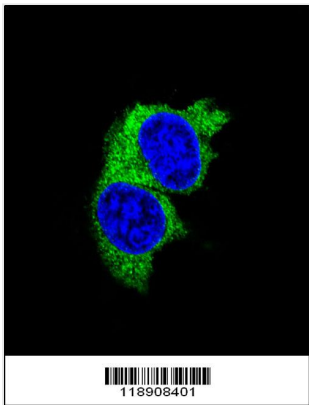
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285999	Rabbit	Human	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

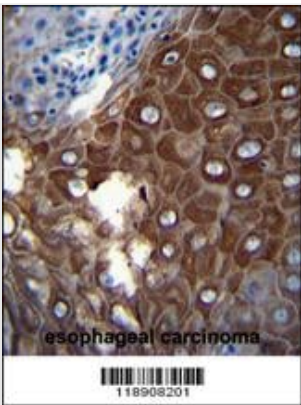
MMP1; Polyclonal Antibody; MMP1 Antibody (Center); Interstitial collagenase; Fibroblast collagenase; Matrix metalloproteinase-1; MMP-1; 22 kDa interstitial collagenase; 27 kDa interstitial collagenase; CLG; anti-MMP1 antibody

PRODUCT SPECIFICATIONS

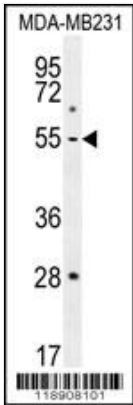
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MMP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-347 amino acids from the Central region of human MMP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.37 (varies by lot)
Sequence Positions	317-347
Sequence Length	469
Applicable Applications for anti-MMP1 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of MMP1 Antibody (Center) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
MMP1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human esophageal carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MMP1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
MMP1 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the MMP1 antibody detected the MMP1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MMP1 antibody	Proteins of the matrix metalloproteinase (MMP) 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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-MMP1 antibody	Cancer; Cardiovascular; Cell biology; Signal transduction
References	Beshir, A.B., et al. Cancer Lett. 299(2):137-149(2010) Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Malik, N., et al. J. Neurooncol. (2010) In press : Skorupski, P., et al. Ginekol. Pol. 81(8):594-599(2010) Mossbock, G., et al. Mol. Vis. 16, 1764-1770 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505215
NCBI GeneID	4312
NCBI Accession #	NP_002412.1
NCBI GenBank Nucleotide #	NM_002421.3
UniProt Accession #	P03956; P08156
Molecular Weight	54007
NCBI Official Full Name	interstitial collagenase isoform 1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 1
NCBI Official Symbol	MMP1
NCBI Official Synonym Symbols	CLG; CLGN
NCBI Protein Information	interstitial collagenase
UniProt Protein Name	Interstitial collagenase
UniProt Gene Name	MMP1
UniProt Synonym Gene Names	CLG; MMP-1
UniProt Entry Name	MMP1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp1-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/285999>