

MMP1 Polyclonal Antibody | anti-MMP1 antibody

Anti-MMP1 Antibody

CATALOG #
AAA46367

APPLICATIONS
Western Blot

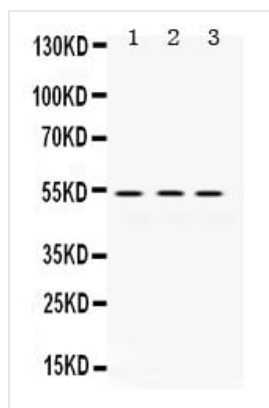
PRODUCT SYNONYMS

MMP1; Polyclonal Antibody; Anti-MMP1 Antibody; Interstitial collagenase; 27 kDa interstitial collagenase; CLG; CLGN; collagenase; fibroblast; interstitial; Fibroblast collagenase; Matrix metalloproteinase 1 (interstitial collagenase); Matrix metalloproteinase 1; Matrix Metalloproteinase 1; Matrix metalloproteinase-1; MMP 1; MMP-1; MMP1_HUMAN; OTTHUMP00000045866; matrix metalloproteinase 1; anti-MMP1 antibody

PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	469
Applicable Applications for anti-MMP1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human MMP1 (194-231aa DAHFDEDERWTNNFREYNLHRVAAHELGHSLGLSHSTD).
Ig Type	Rabbit IgG
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- MMP1 Picoband antibody, AAA46367, Western blottingAll lanes: Anti MMP1 (AAA46367) at 0.5ug/mlLane 1: SMMC Whole Cell Lysate at 40ugLane 2: 22RV1 Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 54KDObserved bind size: 54KD

ADDITIONAL INFORMATION

Related Product Information for anti-MMP1 antibody	Description: Rabbit IgG polyclonal antibody for Interstitial collagenase(MMP1) detection. Tested with WB in Human. Background: Matrix metalloproteinase-1 (MMP-1), also known as interstitial collagenase and fibroblast collagenase, is an enzyme that in humans is encoded by the MMP1 gene. MMP-1 was the first vertebrate collagenase both purified to homogeneity as a protein, and cloned as a cDNA. 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. It is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.
References	1. Huang SF, Li YH, Ren YJ, Cao ZG, Long X (August 2008). "The effect of a single nucleotide polymorphism in the matrix metalloproteinase-1 (MMP-1) promoter on force-induced MMP-1 expression in human periodontal ligament cells". Eur. J. Oral Sci. 116 (4): 319-23. 2. Pendás AM, Santamaría I, Alvarez MV, Pritchard M, López-Otín C (October 1996). "Fine physical mapping of the human matrix metalloproteinase genes clustered on chromosome 11q22.3". Genomics 37 (2): 266-8.

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
NCBI Official Full Name	interstitial collagenase isoform 1 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 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-elisa/46367>