

anti-Mouse, Rat MMP9 Polyclonal Antibody | anti-MMP9 antibody

Anti-MMP9 Antibody

CATALOG # AAA46500	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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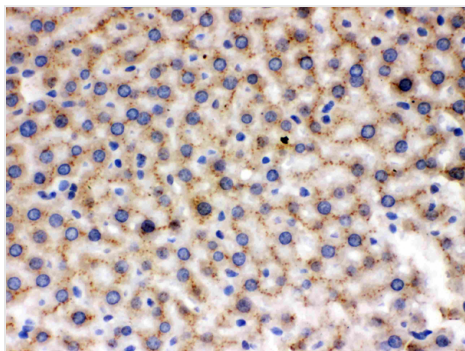
PRODUCT SYNONYMS

MMP9; Polyclonal Antibody; Anti-MMP9 Antibody; Matrix metalloproteinase-9; 92 kDa matrix metalloproteinase-9; 92 kDa gelatinase; 92 kDa type IV collagenase; CLG 4B; CLG4B; Collagenase Type 4 beta; Collagenase type IV 92 KD; EC 3.4.24.35; Gelatinase 92 KD; Gelatinase B; Gelatinase beta; GelatinaseB; GELB; Macrophage gelatinase; MANDP2; Matrix metalloproteinase 9 (gelatinase B; 92kDa gelatinase; 92kDa type IV collagenase); Matrix Metalloproteinase 9; MMP 9; MMP-9; MMP9_HUMAN; Type V collagenase; matrix metalloproteinase 9 (gelatinase B; anti-MMP9 antibody

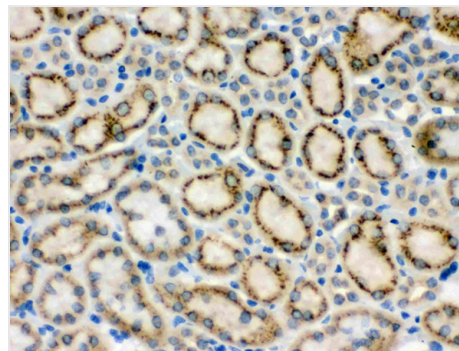
PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	730
Applicable Applications for anti-MMP9 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse MMP9 (641-672aa KALLFSKGRVWRFDLKSQKVDPSVIRVDKEF), different from the related human sequence by thirteen amino acids, and from the related rat sequence by eight amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 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.

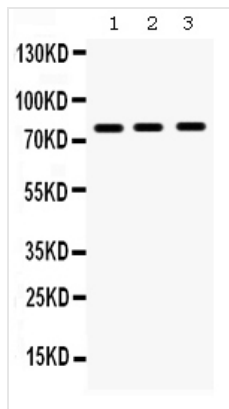
IMAGES


IHC (Immunohistochemistry)

Anti- MMP-9 Picoband antibody, IHC(P)IHC(P): Rat Liver Tissue


Application Data

Anti- MMP-9 Picoband antibody, IHC(P)IHC(P): Mouse Kidney Tissue



WB (Western Blot)

Anti- MMP-9 Picoband antibody, Western blottingAll lanes: Anti MMP-9 at 0.5ug/mlLane 1: NRK Whole Cell Lysate at 40ugLane 2: ANA-1 Whole Cell Lysate at 40ugLane 3: HEPA Whole Cell Lysate at 40ugPredicted bind size: 78KDObserved bind size: 78KD

ADDITIONAL INFORMATION

Related Product Information for anti-MMP9 antibody	Description: Rabbit IgG polyclonal antibody for Matrix metalloproteinase-9(MMP9) detection. Tested with WB, IHC-P, ELISA in Mouse;Rat. Background: Matrix metalloproteinase 9 (MMP-9), also known as 92 kDa type IV collagenase, 92 kDa gelatinase or gelatinase B (GELB), is an enzyme that in humans is encoded by the MMP9 gene. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.
References	1. Template:, 92kDa type IV collagenase). 2. Yuichiro Hirose et al. (May 2008). "A Functional Polymorphism in THBS2 that Affects Alternative Splicing and MMP Binding Is Associated with Lumbar-Disc Herniation".

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305277
NCBI GeneID	17395
NCBI Accession #	NP_038627.1
NCBI GenBank Nucleotide #	NM_013599.4
UniProt Accession #	P41245; Q06788; Q80XI8; Q9DC02
Molecular Weight	80,535 Da
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 9
NCBI Official Symbol	Mmp9
NCBI Official Synonym Symbols	Clg4b; Gel B; MMP-9; B/MMP9; AW743869; pro-MMP-9
NCBI Protein Information	matrix metalloproteinase-9
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	Mmp9
UniProt Synonym Gene Names	Clg4b; MMP-9; GELB
UniProt Entry Name	MMP9_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp9-antibody-immunohistochemistry-western-blot-elisa/46500>