

Rabbit MMP9 Polyclonal Antibody | anti-MMP9 antibody

Anti-MMP9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46650	Rabbit	Mouse, Rat No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

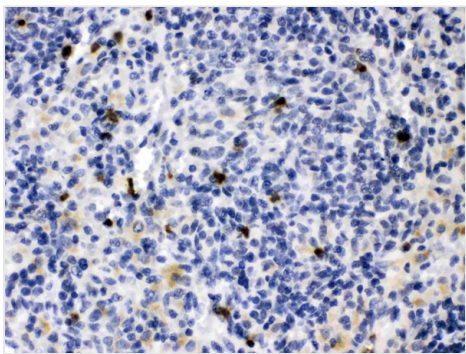
PRODUCT SYNONYMS

MMP9; Polyclonal Antibody; Anti-MMP9 Antibody; 67 kDa matrix metalloproteinase-9; 82 kDa matrix metalloproteinase-9; 92 kDa gelatinase; 92 kDa type IV collagenase; CLG 4B; CLG4B; Collagenase type IV 92 KD; EC 3.4.24.35; Gelatinase 92 KD; Gelatinase B; Gelatinase beta; GELB; Macrophage gelatinase; MANDP2; Matrix metalloproteinase 9; Matrix metalloproteinase9; Matrix metalloproteinase-9; MMP 9; mmp 9 kit; MMP-9; P50282; matrix metalloproteinase 9 (gelatinase B; 92kDa gelatinase; 92kDa type IV collagenase); anti-MMP9 antibody

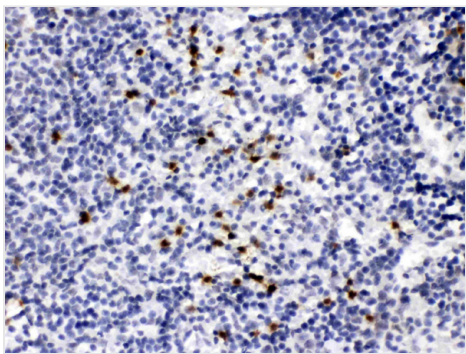
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	708
Applicable Applications for anti-MMP9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat MMP9 (622-658aa RRGKALLISRERIWKFDLKSQKVDPSVTRLDFNEFS), different from the related human sequence by nineteen amino acids, and from the related mouse sequence by nine amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

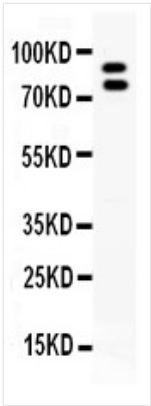
IMAGES



IHC (Immunohistochemisry)
MMP-9 was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti-MMP-9 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)
MMP-9 was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti-MMP-9 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of MMP-9 expression in NRK whole cell lysates (lane 1). MMP-9 at 78KD, 92KD was detected using rabbit anti-MMP-9 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP9 antibody	Rabbit IgG polyclonal antibody for Matrix metalloproteinase-9 (MMP9) detection. 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 #	13591993
NCBI GeneID	81687
NCBI Accession #	NP_112317.1
NCBI GenBank Nucleotide #	NM_031055.1
UniProt Accession #	P50282

Molecular Weight	78,611 Da
NCBI Official Full Name	matrix metalloproteinase-9
NCBI Official Synonym Full Names	matrix metalloproteinase 9
NCBI Official Symbol	Mmp9
NCBI Protein Information	matrix metalloproteinase-9
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	Mmp9
UniProt Synonym Gene Names	MMP-9; GELB
UniProt Entry Name	MMP9_RAT

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://www.aaabiotech.com/polyclonal/mmp9-antibody-immunohistochemistry-western-blot-elisa/46650>