

Rabbit MMP9 Polyclonal Antibody | anti-MMP9 antibody

MMP9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10971	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

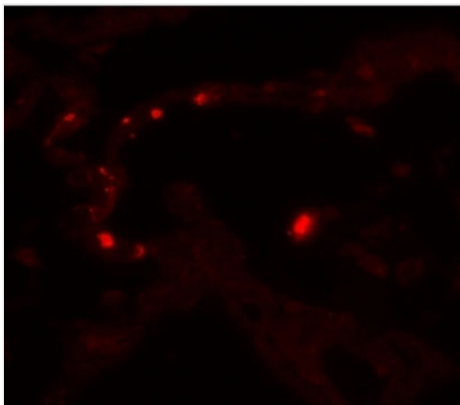
PRODUCT SYNONYMS

MMP9; Polyclonal Antibody; MMP9 Antibody; MMP9 Antibody : GELB; CLG4B; MMP-9; MANDP2; Matrix metalloproteinase-9; 92 kDa gelatinase; anti-MMP9 antibody

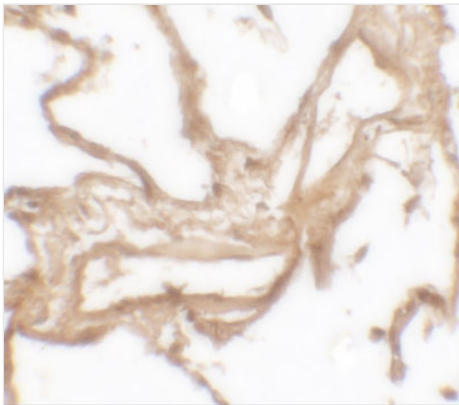
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP9 antibody is human, mouse and rat reactive. At least three isoforms of MMP9 are known to exist; this antibody only recognizes the two longest isoforms.
Purity/Purification	MMP9 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-MMP9 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	MMP9 antibody can be used for detection of MMP9 by Western blot at 1 - 2 ug/ml. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application to be determined by the researcher.
Homology	Predicted species reactivity based on immunogen sequence: Rabbit: (100%), Bovine: (100%)
Immunogen	MMP9 antibody was raised against a 16 amino acid peptide near the center of human MMP9. The immunogen is located within amino acids 260 - 310 of MMP9.
Preparation and Storage	MMP9 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

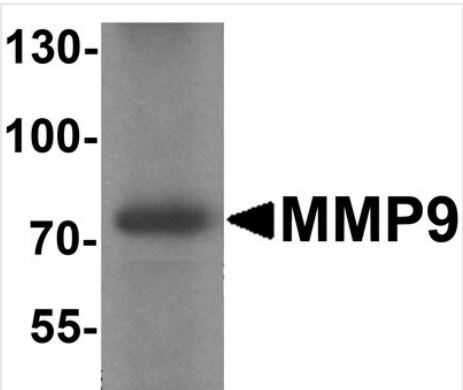
IMAGES



IF (Immunofluorescence)
Immunofluorescence of MMP9 in human lung tissue with MMP9 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of MMP9 in human lung tissue with MMP9 antibody at 2.5 μg/mL.



WB (Western Blot)
MMP9 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-MMP9 antibody

The matrix metalloproteinase (MMP) family are a family of proteins that 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 (1). MMP9 degrades type IV and V collagens (2) and studies suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow (3) and plays a role in tumor-associated tissue remodeling (4)

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272287
NCBI GeneID	4318
NCBI Accession #	NP_004985
NCBI GenBank Nucleotide #	NM_004994.2
UniProt Accession #	P14780; Q3LR70; Q8N725; Q9H4Z1; Q9UCJ9; Q9UCL1; Q9UDK2; B2R7V9
Molecular Weight	Predicted: 76 kDa Observed: 73kDa
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)

NCBI Official Symbol	MMP9
NCBI Official Synonym Symbols	GELB; CLG4B; MMP-9; MANDP2
NCBI Protein Information	matrix metalloproteinase-9; type V collagenase; macrophage gelatinase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	MMP9
UniProt Synonym Gene Names	CLG4B; MMP-9; GELB
UniProt Entry Name	MMP9_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://www.aaabiotech.com/polyclonal/mmp9-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/10971>