

Rabbit MMP-9 Polyclonal Antibody | anti-MMP-9 antibody

Rabbit anti MMP-9 Polyclonal antibody

CATALOG # AAA14085	HOST Rabbit	REACTIVITY Human, Rat, Mouse, Chicken, Dog	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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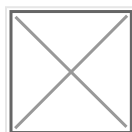
PRODUCT SYNONYMS

MMP-9; Polyclonal Antibody; Rabbit anti MMP-9 Polyclonal antibody; Rabbit anti-MMP-9; Matrix Metalloproteinase 9 (MMP-9); Gelatinase B; 92 kDa type IV collagenase; anti-MMP-9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse, Chicken, Dog
Clonality	Polyclonal
Specificity	This antibody recognizes ~92 kDa of human MMP-9 protein. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-MMP-9 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: 0.1-1 ug/ml ELISA: 0.01-0.1 ug/ml Immunoprecipitation: 2-5 ug/ml Immunohistochemistry: 2-5 ug/ml Optimal dilutions should be determined by the researchers for the specific applications.
Antigen Preparation	A synthetic peptide corresponding to the hinge of human MMP-9. This sequence is identical among human, rat, mouse, chicken, dog and bovine.
Positive Control	A431
Cellular Location	Cytoplasmic and extracellular matrix
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C -8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-MMP-9 antibody	Matrix metalloproteinases (MMPs) belong to a family of proteinases that target many extracellular matrix proteins including additional proteinases, growth factors, cell surface receptors and adhesion molecules. MMPs contain common domain structures that include a signal sequence, a propeptide, a catalytic domain, and a hemopexin-like (Hpx) domain. The MMP activity requires proteolytic cleavage of MMPs in order to generate active MMPs by release of the inhibitory propeptide domain from the whole molecules. MMP-2, MMP-3, MMP-7, MMP-9 and MMP-13 have been characterized as important factors for normal tissue remodeling during embryo development and wound healing, tumor invasion, angiogenesis, carcinogenesis and apoptosis. MMP activities are correlated with cancer metastatic process. MMP-2 and MMP-9, gelatinases, degrade basement membrane collagen.
References	Brigitte Lelongt, et al. Matrix Metalloproteinases MMP2 and MMP9 Are Produced in Early Stages of Kidney Morphogenesis but Only MMP9 Is Required for Renal Organogenesis In Vitro. J. Cell Biol. 1997. 136 (6), 1363-1373.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272287
NCBI GeneID	4318
NCBI Accession #	NP_004985.2
NCBI GenBank Nucleotide #	NM_004994.2
UniProt Accession #	P14780 ; Q3LR70 ; Q8N725 ; Q9H4Z1 ; Q9UCJ9 ; Q9UCL1 ; Q9UDK2 ; B2R7V9 ; Q9Y354
Molecular Weight	92 kDa
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 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; 92 kDa gelatinase; OTTHUMP00000031674; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; 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
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://stage.aaabiotech.com/polyclonal/mmp-9-antibody-western-blot-immunohistochemistry-elisa/14085>