

Rabbit MMP9 Polyclonal Antibody | anti-MMP9 antibody

MMP9 antibody - N-terminal region

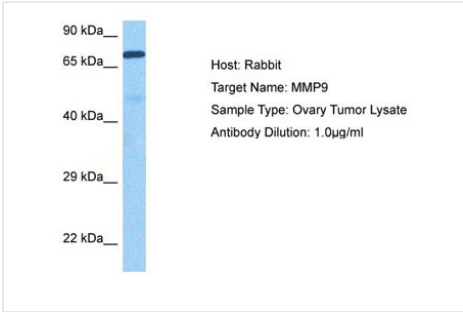
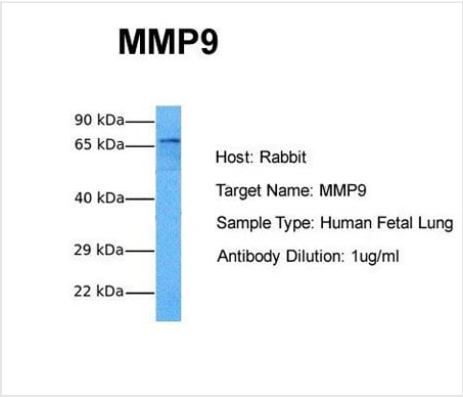
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197522	Rabbit	Tested Reactivity: Human Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

MMP9; Polyclonal Antibody; MMP9 antibody - N-terminal region; anti-MMP9 antibody

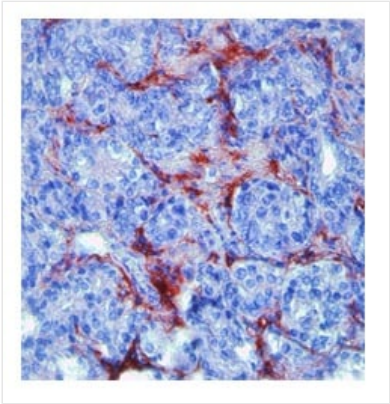
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Reactivity: Human Predicted Reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	1.0 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: VA EHGDGYFPDG KDGLLAHAFP PGPGIQGDAH FDDDELWSLG KGVVVPTR
Sequence Length	707
Applicable Applications for anti-MMP9 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MMP9
Protein Size (# AA)	707 amino acids
Protein Interactions	CXCL5; PZP; MMP26; RECK; KISS1; PRSS2; EPHB2; BTC; LCN2; COL4A6; COL4A5; TIMP3; THBS2; THBS1; MMP10; MMP7; PLG; CXCL1; TFPI; CXCL8; FN1; MMP9; COL1A2; COL1A1; COL4A4; COL4A1; COL4A2; COL4A3; HAPLN1; CD44; AREG; TGFβ1; CXCL6;
Blocking Peptide	For anti-MMP9 antibody is
Replacement Item	This antibody may replace item sc-10737, HPA001238
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Host: RabbitTarget Name: MMP9Sample Tissue: Human Ovary TumorAntibody Dilution: 1ug/ml

WB (Western Blot)
Host: RabbitTarget Name: MMP9Sample Tissue: Human Fetal LungAntibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)
MMP9 in humanprostate cancer was detected using HRP/AEC red color stain.Dilution : 2-15 ug/mL

ADDITIONAL INFORMATION

Related Product Information for anti-MMP9 antibody	This is a rabbit polyclonal antibody against MMP9. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. The enzyme encoded by MMP9 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.
Product Categories/Family for anti-MMP9 antibody	Polyclonal; Signal Proteins; Drugs and Drug Metabolism; Developmental Biology; Disease Related; Immunohistochemistry; Cell Structure; Hypoxia

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272287
NCBI GeneID	4318
NCBI Accession #	NP_004985
NCBI GenBank Nucleotide #	NM_004994

UniProt Accession #	P14780
Molecular Weight	78kDa
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 9
NCBI Official Symbol	MMP9
NCBI Official Synonym Symbols	GELB; CLG4B; MMP-9; MANDP2
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_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-western-blot-immunohistochemistry-elisa/197522>