

Rabbit MMP-8 Polyclonal Antibody | anti-MMP-8 antibody

MMP-8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322081	Rabbit	Human, Mouse, Rat	Immunohistochemistry, ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MMP-8; Polyclonal Antibody; MMP-8 Antibody; CLG 1; CLG1; Collagenase 1; Collagenase 1 neutrophil; HNC; Matrix metalloproteinase 8 (neutrophil collagenase); Matrix metalloprotease 8; Matrix metalloproteinase-8; MMP 8; Mmp8; MMP8_HUMAN; Neutrophil collagenase; PMNL CL; PMNL collagenase; PMNL-CL; PMNLCL; anti-MMP-8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP-8 antibody detects endogenous levels of total MMP-8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	444
Applicable Applications for anti-MMP-8 antibody	IHC (Immunohistochemistry), ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMP-8
Subcellular Location	Cytoplasmic Granule. Secreted > Extracellular Space > Extracellular Matrix. Stored in intracellular granules.
Tissue Specificity	Neutrophils.
Predicted Cross Reactivity	Horse
Similarity	Horse (81%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of MMP-8 expression in NIH/3T3 cells. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA322081 staining LOVO cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP-8 antibody	Description: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. Function: Can degrade fibrillar type I, II, and III collagens. Similarity: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. Belongs to the peptidase M10A family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	751247063
NCBI GeneID	4317
NCBI Accession #	NP_001291370.1
NCBI GenBank Nucleotide #	NM_001304441.1
UniProt Accession #	P22894; Q45F99
Molecular Weight	Observed: 53 kDa Predicted: 54 kDa
NCBI Official Full Name	neutrophil collagenase isoform 2
NCBI Official Synonym Full Names	matrix metalloproteinase 8
NCBI Official Symbol	MMP8
NCBI Official Synonym Symbols	HNC; CLG1; MMP-8; PMNL-CL
NCBI Protein Information	neutrophil collagenase
UniProt Protein Name	Neutrophil collagenase
UniProt Gene Name	MMP8
UniProt Synonym Gene Names	CLG1; MMP-8; PMNL-CL

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-8-antibody-immunohistochemistry-immunocytochemistry-immunofluorescence-western-blot-elisa/322081>