

anti-Human MMP8 Polyclonal Antibody | anti-MMP8 antibody

Anti-MMP8 Antibody

CATALOG # AAA46238	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
------------------------------	----------------------------	--

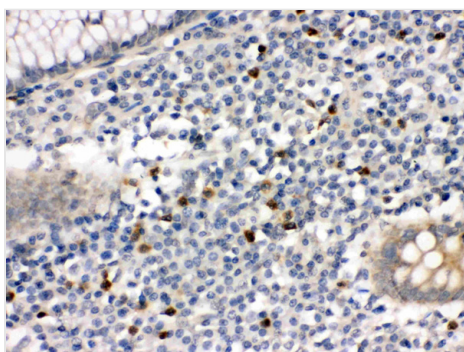
PRODUCT SYNONYMS

MMP8; Polyclonal Antibody; Anti-MMP8 Antibody; Neutrophil collagenase; CLG 1; CLG1; Collagenase 1; Collagenase 1 neutrophil; HNC; Matrix metalloproteinase 8 (neutrophil collagenase); Matrix metalloprotease 8; Matrix metalloproteinase-8; MMP 8; MMP-8; Mmp8; MMP8_HUMAN; PMNL CL; PMNL collagenase; PMNL-CL; PMNLCL; matrix metalloproteinase 8 (neutrophil collagenase); anti-MMP8 antibody

PRODUCT SPECIFICATIONS

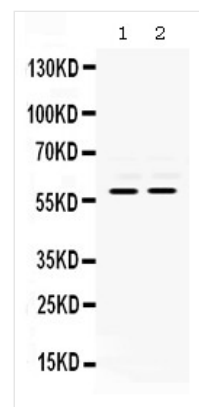
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	444
Applicable Applications for anti-MMP8 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MMP8 (119-153aa NYTPQLSEAEVERAIKDAFELWSVASPLIFTRISQ), different from the related mouse sequence by eleven amino acids.
Ig Type	Rabbit IgG
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 aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- MMP-8 Picoband antibody, AAA46238, IHC(P) IHC(P): Human Appendicitis Tissue



WB (Western Blot)

Anti- MMP-8 Picoband antibody, AAA46238, Western blotting All lanes: Anti MMP-8 (AAA46238) at 0.5ug/ml Lane 1: K562 Whole Cell Lysate at 40ug Lane 2: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 53KD Observed bind size: 60KD

ADDITIONAL INFORMATION

Related Product Information for anti-MMP8 antibody	Description: Rabbit IgG polyclonal antibody for Neutrophil collagenase(MMP8) detection. Tested with WB, IHC-P, ELISA in Human. Background: MMP8 (Matrix metalloproteinase 8) is a member of the family of matrix metalloproteinases. It is distinct from the collagenase of skin fibroblasts and synovial cells in substrate specificity and immunologic crossreactivity. MMP8 is mapped to 11q21-q22. MMP8 is an enzyme that degrades fibrillar collagens imparting strength to the fetal membranes, is expressed by leukocytes and chorionic cytotrophoblast cells. The enzyme exhibits 58% homology to human fibroblast collagenase and has the same domain structure. It consists of a 20-residue signal peptide, and an 80-residue propeptide that is lost on autolytic activation by cleavage of an M-L bond. MMP8 was found to possess 57% identity with the deduced protein sequence for fibroblast collagenase with 72% chemical similarity. Matrix metalloproteinases (MMPs) have fundamental roles in tumor progression, but most clinical trials with MMP inhibitors have not shown improvements in individuals with cancer. MMP8 has a paradoxical protective role in cancer and provides a genetic model to evaluate the molecular basis of gender differences in cancer susceptibility.
References	1. Balbin, M.; Fueyo, A.; Tester, A. M.; Pendas, A. M.; Pitiot, A. S.; Astudillo, A.; Overall, C. M.; Shapiro, S. D.; Lopez-Otin, C. : Loss of collagenase-2 confers increased skin tumor susceptibility to male mice. <i>Nature Genet.</i> 35: 252-257, 2003. 2. Devarajan, P.; Mookhtiar, K.; Van Wart, H.; Berliner, N. : Structure and expression of the cDNA encoding human neutrophil collagenase. <i>Blood</i> 77: 2731-2738, 1991. 3. Hasty, K. A.; Pourmotabbed, T. F.; Goldberg, G. I.; Thompson, J. P.; Spinella, D. G.; Stevens, R. M.; Mainardi, C. L. : Human neutrophil collagenase: a distinct gene product with homology to other matrix metalloproteinases. <i>J. Biol. Chem.</i> 265: 11421-11424, 1990. 4. Wang, H.; Parry, S.; Macones, G.; Sammel, M. D.; Ferrand, P. E.; Kuivaniemi, H.; Tromp, G.; Halder, I.; Shriver, M. D.; Romero, R.; Strauss, J. F., III : Functionally significant SNP MMP8 promoter haplotypes and preterm premature rupture of membranes (PPROM). <i>Hum. Molec. Genet.</i> 13: 2659-2669, 2004.

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	53,412 Da
NCBI Official Full Name	neutrophil collagenase isoform 2
NCBI Official Synonym Full Names	matrix metallopeptidase 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
UniProt Entry Name	MMP8_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp8-antibody-immunohistochemistry-western-blot-elisa/46238>