

anti-Human MMP3 Polyclonal Antibody | anti-MMP3 antibody

Anti-MMP3 Antibody

CATALOG # AAA46223	REACTIVITY Human	APPLICATIONS Western Blot
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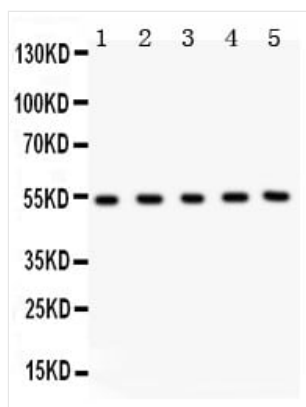
PRODUCT SYNONYMS

MMP3; Polyclonal Antibody; Anti-MMP3 Antibody; Stromelysin-1; CHDS6; Matrix metalloproteinase 3; Matrix metalloproteinase 3 preproprotein; Matrix metalloproteinase-3; MGC126102; MGC126103; MGC126104; MMP 3; MMP-3; MMP3_HUMAN; Progelatinase; Proteoglycanase; SL 1; SL-1; SL1; STMY; STMY1; STR1; Stromelisin 1; Stromelysin 1; Stromelysin 1 progelatinase; Transin 1; Transin-1; matrix metalloproteinase 3 (stromelysin 1; progelatinase); anti-MMP3 antibody

PRODUCT SPECIFICATIONS

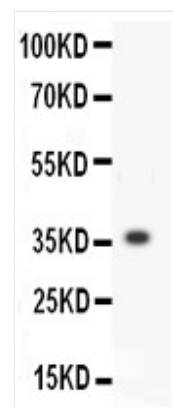
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	477
Applicable Applications for anti-MMP3 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminal of human MMP3(410-439aa RFDEKRNSMEPGFPKQIAEDFPGLSKIDA), different from the related mouse sequence by seven amino acids, and from the related mouse sequence by ten 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



WB (Western Blot)

Anti- MMP3 Picoband antibody, AAA46223, Western blottingAll lanes: Anti MMP3 (AAA46223) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: U2OS Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: PANC Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 54KDObserved bind size: 54KD



WB (Western Blot)

Anti- MMP3 Picoband antibody, AAA46223, Western blottingAll lanes: Anti MMP3 (AAA46223) at 0.5ug/mlWB: Recombinant Human MMP3 Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD

ADDITIONAL INFORMATION

Related Product Information for anti-MMP3 antibody	Description: Rabbit IgG polyclonal antibody for Stromelysin-1(MMP3) detection. Tested with WB in Human. Background: Stromelysin-1, also known as matrix metalloproteinase-3 (MMP-3), is an enzyme that in humans is encoded by the MMP3 gene. It is mapped to 11q22.2. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix and during tissue remodeling in normal physiological processes, such as embryonic development and reproduction, as well as in disease processes, such as arthritis, and tumour metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.
References	1. "Entrez Gene: MMP3 matrix metalloproteinase 3 (stromelysin 1, procollagenase) 2. Lu, P. C.-S., Ye, H., Maeda, M., Azar, D. T. Immunolocalization and gene expression of matrilysin during corneal wound healing. Invest. Ophthalmol. Vis. Sci. 40: 20-27, 1999. 3. Ye S, Eriksson P, Hamsten A, Kurkinen M, Humphries SE, Henney AM (May 1996). "Progression of coronary atherosclerosis is associated with a common genetic variant of the human stromelysin-1 promoter which results in reduced gene expression". J. Biol. Chem. 271 (22): 13055-60.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413.1
NCBI GenBank Nucleotide #	NM_002422.4
UniProt Accession #	P08254; Q3B7S0; Q6GRF8; B2R8B8
Molecular Weight	53,977 Da
NCBI Official Full Name	stromelysin-1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 3
NCBI Official Symbol	MMP3
NCBI Official Synonym Symbols	SL-1; STMY; STR1; CHDS6; MMP-3; STMY1
NCBI Protein Information	stromelysin-1
UniProt Protein Name	Stromelysin-1
UniProt Gene Name	MMP3
UniProt Synonym Gene Names	STMY1; SL-1; MMP-3
UniProt Entry Name	MMP3_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.