Polyclonal Anti- matrix metallopeptidase 9,*MMP-9*

Catalogue No. PA1357

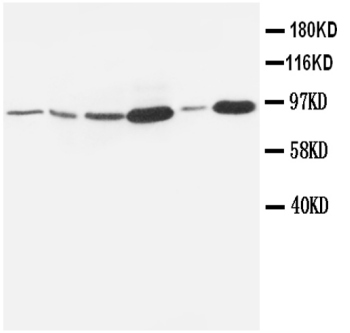
Lot No. 01310123457124

Ig type rabbit IgG

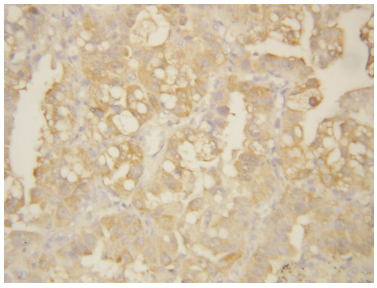
Size 100μg/vial

Specificity
Human,rat
No cross reactivity with other proteins.

Recommended application
Western blot
Immunohistochemistry(P)



Lane 1 : Rat Embryo tissue Lysate
Lane 2 : MM453 Whole Cell Lysate
Lane 3 : HeLa Whole Cell Lysate
Lane 4 : SMMC Whole Cell Lysate
Lane 5 : Jurkat Whole Cell Lysate
Lane 6 : HT1080 Whole Cell Lysate



Immunogen
A synthetic peptide corresponding to a sequence at the C-terminal of human MMP-9 (689-705aa), different from the mouse sequence by two amino acids.

Purity
Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1ug/ml	Hu,Rat	Ms	-
IHC-P	1ug/ml	Hu	-	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution
0.2ml of distilled water will yield a concentration of 500μg/ml.

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
email: Info@antageneinc.com

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

Matrix metallopeptidase 9 (MMP-9), also known as 92 kDa type IV collagenase, 92 kDa gelatinase or gelatinase B (GELB), is an enzyme that in humans is encoded by the *MMP9* gene. Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene 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.

REFERENCE

1.Template:, 92kDa type IV collagenase)

2.Yuichiro Hirose et al. (May 2008). "A Functional Polymorphism in THBS2 that Affects Alternative Splicing and MMP Binding Is Associated with Lumbar-Disc Herniation".