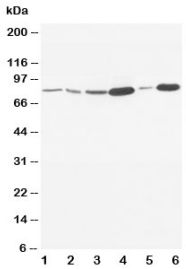
MMP9 Antibody (R30424)

Catalog No.	Formulation	Size
R30424	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P14780
Localization	Cytoplasmic, nuclear, secreted
Applications	Western blot: 0.5-1ug/ml
Limitations	This MMP9 antibody is available for research use only.



Western blot testing of MMP9 antibody and Lane 1: rat embryo; 2: MM453; 3: HeLa; 4: SMMC-7721; 5: Jurkat; 6: HT1080. Predicted molecular weight: 92/67-80 kDa (precursor/mature forms).

Description

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MMP9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human MMP9(NQVDQVGYVTYDILQCP) was used as the immunogen for this MMP9 antibody.

Storage

After reconstitution, the MMP9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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