Product datasheet

Anti-MMP9 Antibody

Catalog Number: *PB9669*

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antibody and ELISA experts
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Basic Information

Product Name	Anti-MMP9 Antibody
Gene Name	MMP9
Source	Rabbit
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse MMP-9 (641-672aa KALLFSKGRVWRFDLKSQKVDPQSVIRVDKEF), different from the related human sequence by thirteen amino acids, and from the related rat sequence by eight amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	78KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry(Paraffin-embedded Section): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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

Anti-MMP9 Antibody被引用在2文献中。

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Selected Validation Data

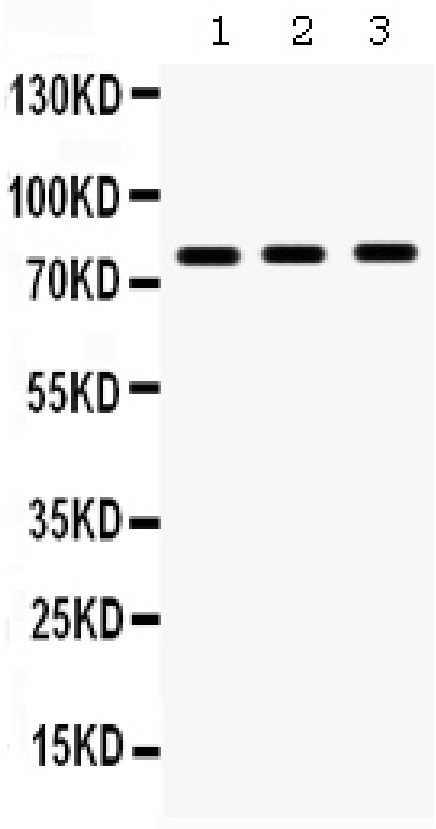

Figure 1. Western blot analysis of Anti-MMP9 antibody (PB9669). The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: NRK whole cell lysates,Lane 2: ANA-1 whole cell lysates,Lane 3: HEPA whole cell lysates,Use rabbit Anti-MMP9 1:1000, probed with a goat Anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for MMP9 at approximately 78KD. The expected band size for MMP9 is at 78KD.

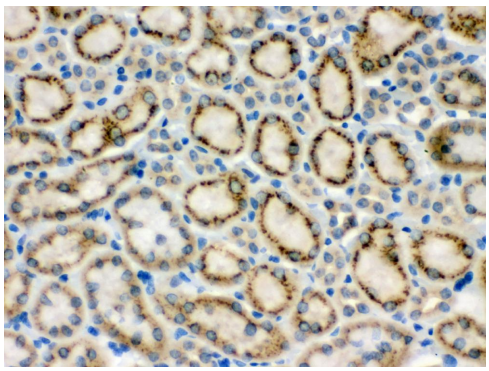

Figure 2. IHC analysis using Anti-MMP9 antibody (PB9669) detected in paraffin-embedded section of mouse kidney tissue. Biotinylated goat Anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.