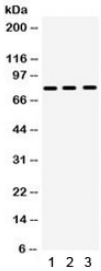
MMP9 Antibody (R32092)

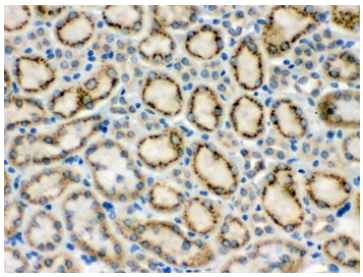
Catalog No.	Formulation	Size
R32092	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

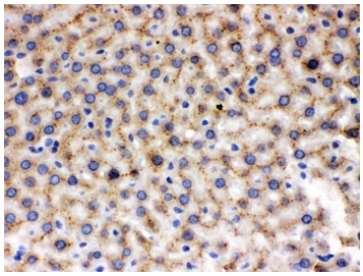
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P41245
Localization	Cytoplasmic, nuclear, secreted
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This MMP9 antibody is available for research use only.



Western blot testing of 1) rat NRK, 2) mouse ANA-1 and 3) mouse HEPA cell lysate with MMP9 antibody. Predicted molecular weight: 92/67-80 kDa (precursor/mature forms), observed here at ~78 kDa.



IHC testing of FFPE mouse kidney with MMP9 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat liver with MMP9 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Matrix metallopeptidase 9, or 92 kDa type IV collagenase, is part of a family of proteins 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. MMP9 degrades type IV and V collagens.

Application Notes

Optimal dilution of the MMP9 antibody should be determined by the researcher.

Immunogen

Amino acids KALLFSKGRVWRFDLKSQKVDPQSVIRVDKEF of mouse MMP9 were used as the immunogen for the 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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