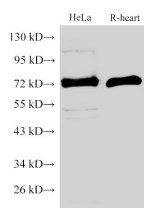


MMP2 Polyclonal Antibody

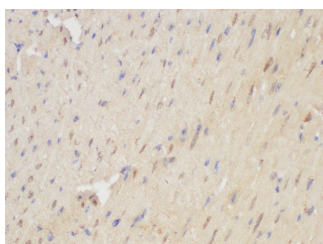
Catalog No.	E-AB-40410	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

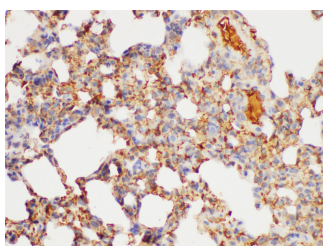
Images



Western Blot analysis of HeLa and Rat heart using MMP2 Polyclonal Antibody at dilution of 1:500



Immunohistochemistry of paraffin-embedded Mouse heart using MMP2 Polyclonal Antibody at dilution of 1:100



Immunohistochemistry of paraffin-embedded Rat lung using MMP2 Polyclonal Antibody at dilution of 1:100

Immunogen Information

Immunogen	Recombinant Rat 72 kDa type IV collagenase protein
GeneID	81686
Swissprot	P33436
Synonyms	72 kDa gelatinase, CLG4, CLG4A, Gelatinase A, MMP 2, MONA, PEX, TBE 1

Product Information

Calculated MW	74 kDa
Observed MW	74 kDa
Buffer	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Purify	Antigen Affinity Purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200

Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.