Elabscience®

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MMP9 Polyclonal Antibody

Catalog No.	E-AB-70059		**Reactivity**	R
Storage	Store at -20℃. Avoid freeze / thaw cycles.		**Host**	Rabbit
Applications	IHC,IF		**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
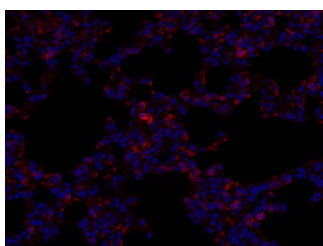
Images
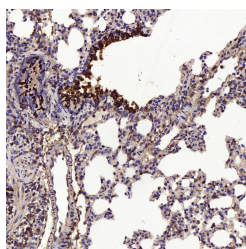
Immunohistochemistry analysis of paraffin-embedded rat lungs using MMP9 Polyclonal Antibody at dilution of 1:300.
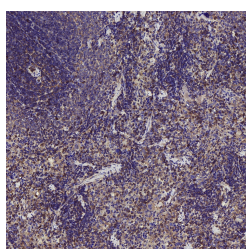
Immunohistochemistry analysis of paraffin-embedded rat spleen using MMP9 Polyclonal Antibody at dilution of 1:300.

Immunofluorescence analysis of paraffin-embedded rat lung using MMP9 Polyclonal Antibody at dilution of 1:100.

Immunogen Information

Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse MMP9
Swissprot	P50282
Synonyms	MMP9, CLG4B, GELB, MANDP2, MMP-9,92 kDa type IV collagenase, 92 kDa gelatinase, gelatinase B, matrix metallopeptidase 9

Product Information

Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	IHC 1:500-1:1000, IF 1:100-1:500

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. 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.

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.