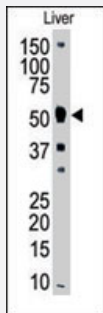


MMP8 polyclonal antibody

Catalog # PAB4797

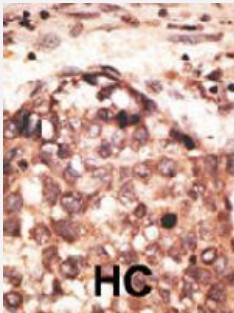
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of MMP8 polyclonal antibody (Cat # PAB4797) in mouse liver tissue lysate (35 ug/lane). MMP8 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MMP8 polyclonal antibody (Cat # PAB4797), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MMP8.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human MMP8.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of MMP8 polyclonal antibody (Cat # PAB4797) in mouse liver tissue lysate (35 ug/lane). MMP8 (arrow) was detected using the purified polyclonal antibody.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP8

Entrez GeneID	4317
Protein Accession#	MM8_HUMAN
Gene Name	MMP8
Gene Alias	CLG1, HNC, PMNL-CL
Gene Description	matrix metalloproteinase 8 (neutrophil collagenase)
Omim ID	120355
Gene Ontology	Hyperlink

Gene Summary

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. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Other Designations

PMNL collagenase|matrix metalloproteinase 8|matrix metalloproteinase 8 (neutrophil collagenase)|neutrophil collagenase

Publication Reference

- [Carboxyterminal cleavage of the chemokines MIG and IP-10 by gelatinase B and neutrophil collagenase.](#)

Van den Steen PE, Husson SJ, Proost P, Van Damme J, Opdenakker G.

Biochemical and Biophysical Research Communications 2003 Oct; 10(3):889.

Application: WB, Recombinant protein

- [Neutrophil collagenase \(MMP-8\) is expressed during early development in neural crest cells as well as in adult melanoma cells.](#)

Giambernardi TA, Sakaguchi AY, Gluhak J, Pavlin D, Troyer DA, Das G, Rodeck U, Klebe RJ.

Matrix Biology 2001 Dec; 20(8):577.

Application: IHC-P, Human, Mouse, Human melanoma tumors, Mouse embryos

- [Matrix metalloproteinases.](#)

Nagase H, Woessner JF Jr.

The Journal of Biological Chemistry 1999 Jul; 274(31):21491.

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiectasis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)

- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Infection](#)
- [Inflammation](#)
- [Intervertebral Disk Displacement](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mouth Neoplasms](#)
- [Musculoskeletal Diseases](#)
- [Neoplasm Invasiveness](#)
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- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)