

MMP13 polyclonal antibody

Catalog # PAB12710

Size 100 ug

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of MMP13.

Immunogen A synthetic peptide corresponding to the hinge region of human MMP13.

Host Rabbit

Theoretical MW (kDa) 60, 48

Reactivity Human, Mouse, Rat

Specificity This antibody recognizes ~60 and 48 KDa human MMP13.

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
Western Blot (0.1-1 ug/mL)
ELISA (0.01-0.1 ug/mL)
Immunoprecipitation (2-5 ug/mL)
Immunohistochemistry (1:100)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.2 (Antibody stabilizer).

Storage Instruction
Store at 4°C for three month without detectable loss of activity. For long term storage, store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP13

Entrez GeneID [4322](#)

Gene Name MMP13

Gene Alias CLG3

Gene Description matrix metalloproteinase 13 (collagenase 3)

Omim ID [600108 602111](#)

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. The protein encoded by this gene cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Other Designations collagenase 3|matrix metalloproteinase 13|matrix metalloproteinase 13 (collagenase 3)

Publication Reference

- [Nitric oxide elicits functional MMP-13 protein-tyrosine nitration during wound repair.](#)

Lizarbe TR, Garcia-Rama C, Tarin C, Saura M, Calvo E, Lopez JA, Lopez-Otin C, Folgueras AR, Lamas S, Zaragoza C. FASEB Journal 2008 Sep; 22(9):3207.

Application: IP, WB, Bovine, Bovine aortic endothelial cells (BAECs)

Disease

- [Adenocarcinoma](#)
- [Alveolar Bone Loss](#)
- [Aortic Aneurysm](#)

- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chronic Periodontitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Heart Neoplasms](#)
- [Hepatitis C](#)
- [Intervertebral Disk Displacement](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)

- [Mucocutaneous Lymph Node Syndrome](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteomyelitis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontal Attachment Loss](#)
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- [Stomach Neoplasms](#)