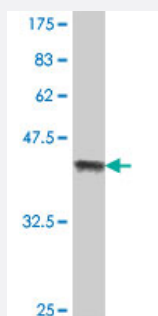


# MMP13 polyclonal antibody (A01)

Catalog # H00004322-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (38.21 KDa) .

## Specification

|                               |                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a partial recombinant MMP13.                                       |
| Immunogen                     | MMP13 (NP_002418, 362 a.a. ~ 471 a.a) partial recombinant protein with GST tag.                             |
| Sequence                      | ILEGYPKKISELGLPKEVKKISA AVHFEDTGKTLFSGNQVWRYDDTNHIMDKDYPRLIEEDFPGIGDKVDAVYEKNGYFFNGPIQFEYSWSNRVVRVMPANSILWC |
| Host                          | Mouse                                                                                                       |
| Reactivity                    | Human                                                                                                       |
| Interspecies Antigen Sequence | Mouse (85); Rat (86)                                                                                        |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (38.21 KDa) .    |
| Storage Buffer                | 50 % glycerol                                                                                               |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                    |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — MMP13

Entrez GeneID [4322](#)

GeneBank Accession# [NM\\_002427](#)

Protein Accession# [NP\\_002418](#)

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)

## 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](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Stomach Neoplasms](#)