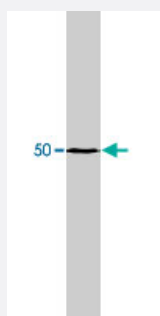


MMP3 monoclonal antibody, clone 1B4

Catalog # MAB1951

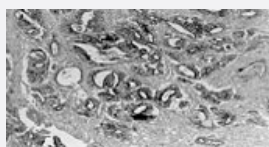
Size 200 ug

Applications



Western Blot (Recombinant protein)

Western blot of recombinant human MMP3 proenzyme using MMP3 monoclonal antibody, clone 1B4 (Cat # MAB1951).



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

Immunohistochemical staining of human gastric carcinoma tissue using MMP3 monoclonal antibody, clone 1B4 (Cat # MAB1951).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of MMP3.
Immunogen	A synthetic peptide corresponding to C-terminus of human MMP3.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Western blot (1 to 2 ug/mL) Immunohistochemistry on formalin to fixed/paraffin to embedded tissues (1 to 5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	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 (Recombinant protein)

Western blot of recombinant human MMP3 proenzyme using MMP3 monoclonal antibody, clone 1B4 (Cat # MAB1951).

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

Immunohistochemical staining of human gastric carcinoma tissue using MMP3 monoclonal antibody, clone 1B4 (Cat # MAB1951).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP3

Entrez GeneID	4314
Gene Name	MMP3
Gene Alias	CHDS6, MGC126102, MGC126103, MGC126104, MMP-3, SL-1, STMY, STMY1, STR1
Gene Description	matrix metalloproteinase 3 (stromelysin 1, progelatinase)
Omim ID	185250
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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Other Designations

matrix metalloproteinase 3|matrix metalloproteinase 3 (stromelysin 1, progelatinase)|progelatinase|proteoglycanase|stromelysin 1|transin-1

Publication Reference

- [Activation of human neutrophil procollagenase by stromelysin 2.](#)

Knauper V, Murphy G, Tschesche H.

European Journal of Biochemistry 1996 Jan; 235(1-2):187.

- [The complete primary structure of human matrix metalloproteinase-3. Identity with stromelysin.](#)

Saus J, Quinones S, Otani Y, Nagase H, Harris ED Jr, Kurkinen M.

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Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Aggressive Periodontitis](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Aneurysm](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
- [Aortic Diseases](#)

- [Arterial Occlusive Diseases](#)
- [Arthritis](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Arterial Diseases](#)
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- [Cerebrovascular Accident](#)
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- [Chronic Disease](#)
- [Chronic Periodontitis](#)

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Vasospasm](#)
- [Crohn Disease](#)
- [Death](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Exfoliation Syndrome](#)

- [Fetal Diseases](#)
- [Fetal Membranes](#)
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- [Glaucoma](#)
- [Graft Occlusion](#)
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- [Hepatitis C](#)
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- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertrophy](#)
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- [Intracranial Hemorrhages](#)
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- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
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- [Periodontal Pocket](#)
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- [Recurrence](#)
- [Renal Insufficiency](#)
- [Rheumatoid Nodule](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Diseases](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Syndrome](#)
- [Tendinopathy](#)
- [Thrombosis](#)

- [Urinary Bladder Neoplasms](#)
- [Urinary Incontinence](#)
- [Varicose Veins](#)
- [Vascular Diseases](#)
- [Ventricular Dysfunction](#)
- [Werner syndrome](#)