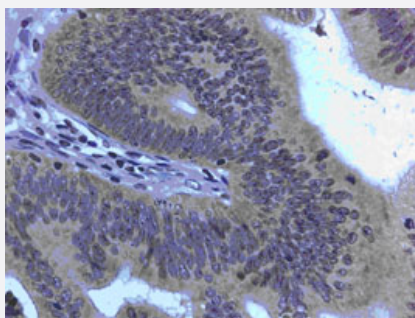


MMP3 monoclonal antibody, clone SB14d (HRP)

Catalog # MAB5894

Size

Applications



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

Paraffin embedded sections of human colon carcinoma were stained with MMP3 monoclonal antibody, clone SB14d. Goat Anti-Mouse IgG2a, human ads-BIOT and Streptavidin-HRP were used and then developed with DAB.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant MMP3.
Immunogen	Recombinant protein corresponding to human MMP3.
Host	Mouse
Reactivity	Human
Specificity	human MMP-3; Does not cross react to human MMP-1, MMP-2 or MMP-9.
Form	Liquid
Conjugation	HRP
Concentration	Lot specific
Isotype	IgG2a
Recommend Usage	ELISA (1:1000-1:4000) Immunohistochemistry (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

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

Paraffin embedded sections of human colon carcinoma were stained with MMP3 monoclonal antibody, clone SB14d. Goat Anti-Mouse IgG2a, human ads-BIOT and Streptavidin-HRP were used and then developed with DAB.

- Immunohistochemistry (Frozen sections)
- 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

- [Biochemical characterization of human collagenase-3.](#)

Knauper V, Lopez-Otin C, Smith B, Knight G, Murphy G.

The Journal of Biological Chemistry 1996 Jan; 271(3):1544.

- [Activation of the 92-kDa gelatinase by stromelysin and 4-aminophenylmercuric acetate. Differential processing and stabilization of the carboxyl-terminal domain by tissue inhibitor of metalloproteinases \(TIMP\).](#)

Shapiro SD, Fliszar CJ, Broekelmann TJ, Mecham RP, Senior RM, Welgus HG.

The Journal of Biological Chemistry 1995 Mar; 270(11):6351.

Application: WB-Re, Recombinant protein

- [Direct activation of human neutrophil procollagenase by recombinant stromelysin.](#)

Knauper V, Wilhelm SM, Seperack PK, DeClerck YA, Langley KE, Osthues A, Tschesche H.

The Biochemical Journal 1993 Oct; 295 (Pt 2):581.

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](#)
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- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
- [Aortic Diseases](#)

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- [Arthritis](#)
- [Astrocytoma](#)
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- [Bipolar Disorder](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
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- [Cardiovascular Diseases](#)
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- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
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- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
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- [Endometriosis](#)
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- [Exfoliation Syndrome](#)

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- [Hepatitis C](#)
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- [Renal Insufficiency](#)
- [Rheumatoid Nodule](#)
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- [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](#)