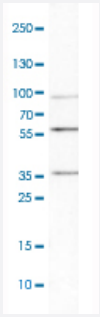
MMP3 polyclonal antibody

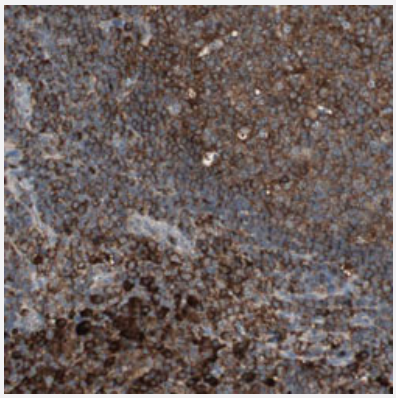
Catalog # PAB31395 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of U-87 MG cell lysate with MMP3 polyclonal antibody (Cat # PAB31395).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with MMP3 polyclonal antibody (Cat # PAB31395) shows strong cytoplasmic positivity in reaction center cells and lymphoid cells outside reaction centra.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MMP3.
Immunogen	Recombinant protein corresponding to human MMP3.
Sequence	MYPLYHSLTDLTRFRLSQDDINGIQSLYGPPPDSPETPLVPTEPVPPEPGTPANCDPALSFDAVST LRGEILIFKDRHFWRKSLRKLEPELHLISSFWPSLPSGVDAAYEVTSKDLVFIFKGNQFWAI
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — MMP3

Entrez GeneID	4314
Protein Accession#	P08254
Gene Name	MMP3
Gene Alias	CHDS6, MGC126102, MGC126103, MGC126104, MMP-3, SL-1, STMY, STMY1, STR1
Gene Description	matrix metallopeptidase 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

- Automated Learning of Subcellular Variation among Punctate Protein Patterns and a Generative Model of Their Relation to Microtubules.

  Johnson GR, Li J, Shariff A, Rohde GK, Murphy RF.

  PLoS computational biology 2015 Dec; 11(12):e1004614.

  Application: IF, Human, A-431, U-2 OS, U-251 MG cells

- Tumor necrosis factor-α-accelerated degradation of type I collagen in human skin is associated with elevated matrix metalloproteinase (MMP)-1 and MMP-3 ex vivo.

  Ågren MS, Schnabel R, Christensen LH, Mirastschijski U.

  European Journal of Cell Biology 2015 Jan; 94(1):12.

  Application: WB, Human, Skin explants

- Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model.

  Kato BS, Nicholson G, Neiman M, Rantalainen M, Holmes CC, Barrett A, Uhlén M, Nilsson P, Spector TD, Schwenk JM.

  Proteome Science 2011 Nov; 9:73.

  Application: Array, Recombinant protein

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
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cholangitis
- Chorioamnionitis
- 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
- Genetic Predisposition to Disease
- Gingival Overgrowth
- Glaucoma
- Graft Occlusion
- Head and Neck Neoplasms
- Heart Failure
- Helicobacter Infections
- Hepatitis B
- Hepatitis C
- Hypercholesterolemia
- Hyperlipidemias
- Hypertension
- Hypertrophy
- Infection

- Inflammation
- Intervertebral Disk Displacement
- Intracranial Arteriosclerosis
- Intracranial Hemorrhages
- Kidney Failure
- Kidney Neoplasms
- Leukoaraiosis
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Macular Degeneration
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Migraine Disorders
- Mitral Valve Insufficiency
- Mitral Valve Prolapse
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Myopia

- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Obstetric Labor
- Occupational Diseases
- Oral Submucous Fibrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Parkinson disease
- Periodontal Attachment Loss
- Periodontal Pocket
- Periodontitis
- Peripheral Vascular Diseases
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psychiatric Status Rating Scales
- Pulmonary Disease
- 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