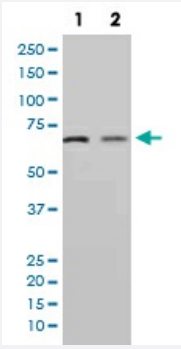
MMP2 monoclonal antibody, clone BBA-13

Catalog # MAB20199 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) L6 cell lysate; (2) HeLa cell lysate with MMP2 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MMP2.
Immunogen	A synthetic peptide corresponding to human MMP2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Western Blot (Cell lysate)

  Western blot analysis of (1) L6 cell lysate; (2) HeLa cell lysate with MMP2 monoclonal antibody.

Gene Info — MMP2

Entrez GeneID	4313
Protein Accession#	P08253
Gene Name	MMP2
Gene Alias	CLG4, CLG4A, MMP-II, MONA, TBE-1
Gene Description	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)
Omim ID	120360 277950 605156
Gene Ontology	Hyperlink
Gene Summary	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellul ar matrix in normal physiological processes, such as embryonic development, reproduction, and ti ssue 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 proteinase s. This gene encodes an enzyme which degrades type IV collagen, the major structural componen t of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulati on of vascularization and the inflammatory response. Mutations in this gene have been associate d with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Two transcri pt variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	collagenase type IV-A|matrix metalloproteinase 2|matrix metalloproteinase-II|neutrophil gelatinase

Pathway

- Bladder cancer
- GnRH signaling pathway

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- Leukocyte transendothelial migration
- Pathways in cancer

Disease

- Acute Disease
- Adenocarcinoma
- Alzheimer disease
- Aortic Aneurysm
- Arthritis
- Atherosclerosis
- Atrial Fibrillation
- Breast cancer
- Breast Neoplasms
- Bronchopulmonary Dysplasia
- Carcinoma
- Cardiac Output
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cervical Intraepithelial Neoplasia
- Chorioamnionitis
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Colitis
- Colorectal Neoplasms

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- Connective Tissue Diseases
- Constriction
- Coronary Aneurysm
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Retinopathy
- Disease
- Disease Progression
- Disease Susceptibility
- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Exfoliation Syndrome
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Fractures
- Genetic Predisposition to Disease
- Glaucoma
- Graft Occlusion
- Head and Neck Neoplasms

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- Heart Failure
- Helicobacter Infections
- Hepatitis C
- Hypersensitivity
- Hypertension
- Hypertrophy
- Infection
- Inflammation
- Intervertebral Disk Displacement
- Intracranial Aneurysm
- Kidney Failure
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Macular Degeneration
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Metaplasia
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Myopia

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- Nasal Polyps
- Nasopharyngeal Neoplasms
- Neoplasm
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasms
- Neovascularization
- Obstetric Labor
- Oral Submucous Fibrosis
- Osteoarthritis
- Osteolysis
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Parapsoriasis
- Periodontitis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Prosthesis-Related Infections
- Psoriasis
- Pulmonary Disease
- Pulmonary Fibrosis
- Recurrence

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- Rhinitis
- Scleroderma
- Sinusitis
- Skin Diseases
- Skin Neoplasms
- Spinal Diseases
- Stomach Neoplasms
- Stroke
- Subarachnoid Hemorrhage
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Uterine Diseases

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