

DNAxPAb

Hard-to-Find
Antibody

MMP1 DNAxPab

Catalog # H00004312-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MMP1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MHSFPPLLLLLFWGVVSHSFPATLETQE QDVLVQKYLEKYNNLKN DGRQVEKRRNSGPVVEKL KQM QE FFLKVTGKPD AETLKVMKQPRCGVPDVAQFVLTEGNPRWEQTHLTYRIENYTPDL PRA DVDHAIEKAFQLWSNVTPLTFTKVSEGGADIMISFVRGDHRD NSPFDGPGGNLAHAFQPGPGIGG DAHFD EDERWTNNFREYNLHRVAAHELGHSLGLSHSTDIGALMYP SYTFSGDVQLAQDDIDGIAI YGRSQNPVQPIGPQTPKACDSKLTDAITIRGEVMFFKDRFYMRTNPFYPEVELNFISVFWPQLP NGLEAA YEFADRDEVRFKGNKYWAVQGGQNVLHGYPKDIYSSFGFPRTVKHIDAALSEENTGKTY FFVANKYWRYDEYKRSM DPGYPKMAHDFPGIGHKVD AVMKDGFFYFFH GTRQYKFDPKTKRIL TLQKANSWFNCRKN
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — MMP1

Entrez GeneID [4312](#)

GeneBank Accession# [NM_002421.2](#)

Protein Accession# [NP_002412.1](#)

Gene Name MMP1

Gene Alias CLG, CLGN

Gene Description matrix metalloproteinase 1 (interstitial collagenase)

Omim ID [120353 606963](#)

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 a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.[provided by RefSeq]

Other Designations fibroblast collagenase|interstitial collagenase|matrix metalloprotease 1|matrix metalloproteinase 1|matrix metalloproteinase 1 (interstitial collagenase)

Pathway

- [Bladder cancer](#)
- [Pathways in cancer](#)
- [PPAR signaling pathway](#)

Disease

- [Adenocarcinoma](#)

- [Adenomatous Polyps](#)
- [Aggressive Periodontitis](#)
- [Airway Obstruction](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asthma](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiectasis](#)
- [Bronchitis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)

- [Cervical Intraepithelial Neoplasia](#)
- [Cholangitis](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Emphysema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)

- [Epidermolysis Bullosa](#)
- [Esophageal Neoplasms](#)
- [Exfoliation Syndrome](#)
- [Eye Diseases](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Overgrowth](#)
- [Glaucoma](#)
- [Glioblastoma](#)
- [Graft Occlusion](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Leiomyoma](#)

- [Lichen Planus](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Mitral Valve Insufficiency](#)
- [Mitral Valve Prolapse](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myopia](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Oral Submucous Fibrosis](#)
- [Osteoarthritis](#)
- [Osteolysis](#)
- [Osteomyelitis](#)

- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prosthesis Failure](#)
- [Prosthesis-Related Infections](#)
- [Pruritus](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Renal Insufficiency](#)
- [Rheumatoid Nodule](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Scleroderma](#)

- [Skin Diseases](#)
- [Spinal Diseases](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Subarachnoid Hemorrhage](#)
- [Thrombosis](#)
- [Tongue Neoplasms](#)
- [Tooth Loss](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Incontinence](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Varicose Veins](#)
- [Werner syndrome](#)