

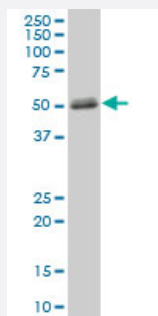
MaxPab®

MMP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004312-B01P

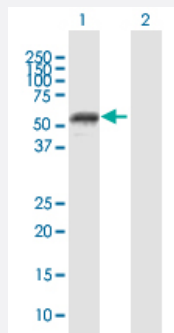
Size 50 ug

Applications



Western Blot (Tissue lysate)

MMP1 MaxPab polyclonal antibody. Western Blot analysis of MMP1 expression in human pancreas.



Western Blot (Transfected lysate)

Western Blot analysis of MMP1 expression in transfected 293T cell line ([H00004312-T01](#)) by MMP1 MaxPab polyclonal antibody.

Lane 1: MMP1 transfected lysate(51.59 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human MMP1 protein.

Immunogen

MMP1 (NP_002412.1, 1 a.a. ~ 469 a.a) full-length human protein.

Sequence

MHSFPPLLLLLFWGVVSHSFPATLETQEQQDVLVQKYLEKYNNLKNDRQVEKRRNSGPVVEKL
KQMQUEFFGLKVTGKPDATLKVMMKQPRCGVPDVAQFVLTEGNPRWEQTHLYRIENYTPDLPR
DVDHAIEKAFQLWSNVTPLTFTKVSEGGADIMISFVRGDHRDNSPFDGPGGNLAHAFQPGPGIGG
DAHFDDEDERWTNNFREYNLHRVAHAHELGHSLGLSHSTDIGALMYPSTYFSGDVQLAQDDIDGIAI
YGRSQNPVQPIGPQTPKACDSKLTFTDAITIRGEVMFFKDRFYMRTPNFYPEVELNFISVFWPQLP
NGLEAAAYEFADRDEVRFKGNKYWAVQGQNVLHGYPKDIYSSFGFPRTVKHIDAALSEENTGKTY
FFVANKYWRYDEYKRSMDPGYPKMIAHDFPGIGHKVDVFMKDGFFYFFHGTQYKFDPKTKRIL
TLQKANSWFNCRKN

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (59); Rat (58)
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.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — MMP1

Entrez GeneID	4312
GeneBank Accession#	NM_002421
Protein Accession#	NP_002412.1
Gene Name	MMP1
Gene Alias	CLG, CLGN
Gene Description	matrix metallopeptidase 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)

Publication Reference

- [Identification of candidate circulating cisplatin-resistant biomarkers from epithelial ovarian carcinoma cell secretomes.](#)

Teng PN, Wang G, Hood BL, Conrads KA, Hamilton CA, Maxwell GL, Darcy KM, Conrads TP.

British Journal of Cancer 2014 Jan; 110(1):123.

Application: WB-Ce, Human, A2780, A2780-CP20, OVCAR3, CaOV3, OV90 cells

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](#)
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- [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](#)
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- [Osteomyelitis](#)
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- [Periodontal Attachment Loss](#)

- [Periodontal Pocket](#)
- [Periodontitis](#)
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- [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](#)