

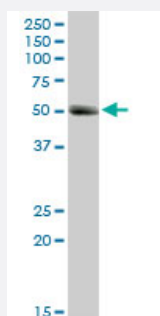
MaxPab®

MMP1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00004312-D01

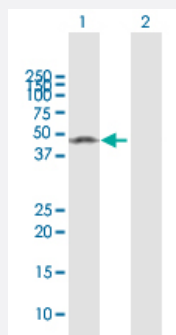
Size 100 uL

Applications



Western Blot (Tissue lysate)

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

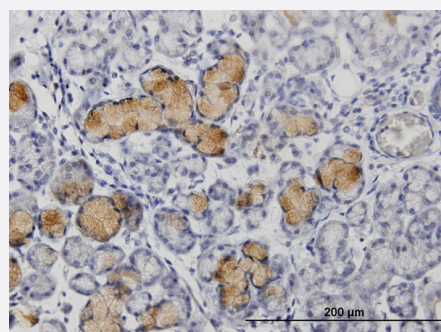


Western Blot (Transfected lysate)

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

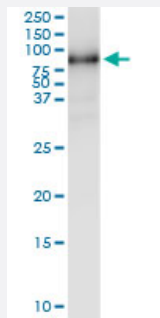
Lane 1: MMP1 transfected lysate(54.00 KDa).

Lane 2: Non-transfected lysate.



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

Immunoperoxidase of purified MaxPab rabbit antibody to MMP1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Immunoprecipitation

Immunoprecipitation of MMP1 transfected lysate using anti-MMP1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP1 purified MaxPab mouse polyclonal antibody (B01P) ([H00004312-B01P](#)).

Specification

Product Description	Rabbit 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	MHSFPPLLLLLFWGVVSHSFPATLETQEQDVLVQKYLEKYNNLKN DGRQVEKRRNSGPVVEKL KQMQEFFGLKVTGKPD AETLKVMKQPRCGVPDVAQFVLTEGNPRWEQTHLT YRIENYTPDL PRA DVDHAIEKAFQLWSNV TPLTFTKVSEGGADIMISFVRGDHRD NSPFDGPGGNLAHAFQPGPGIGG DAHFD EDERWTNNFREYNLHRVAAHELGHSLGLSHSTDIGALMYP SYTFSGDVQLAQDDIDGIAI YGRSQNPVQPIGPQTPKACDSKLTFDAITIRGEVMFFKDRFY MRTNPFYPEVELNFISVFWPQLP NGLEAA YEFADRDEVRF FKGNYWAVQGGQNV LHGYPKDIYSSFGFPRTVKHIDAAL SEENTGKTY FFVANKY WRYDEYKRSM DPGYPKMIAHDFPGIGHKVDAVFMKDGFFYFFH GTRQYKFDPKTKRIL TLQKANSWFNC RKN
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (59); Rat (58)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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

[Protocol Download](#)

- 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(54.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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

Immunoperoxidase of purified MaxPab rabbit antibody to MMP1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of MMP1 transfected lysate using anti-MMP1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP1 purified MaxPab mouse polyclonal antibody (B01P) ([H00004312-B01P](#)).

[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 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)

Publication Reference

- [The effect of dehydroglyasperin C on UVB-mediated MMPs expression in human HaCaT cells.](#)

Xuan SH, Park YM, Ha JH, Jeong YJ, Park SN.

Pharmacological Reports : PR 2017 Dec; 69(6):1224.

Application: WB-Ce, Human, HaCaT cells

- [Licoricidin, an isoflavonoid isolated from Glycyrrhiza uralensis Fisher, prevents UVA-induced photoaging of human dermal fibroblasts.](#)

Kim KJ, Xuan SH, Park SN.

International Journal of Cosmetic Science 2016 Aug; [Epub].

Application: WB-Ce, Human, Human dermal fibroblasts (HDFs)

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](#)
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- [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](#)
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- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
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- [Kidney Failure](#)
- [Kidney Neoplasms](#)
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- [Lichen Planus](#)
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- [Liver Neoplasms](#)
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- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)

- [Metabolic Syndrome X](#)
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- [Periodontal Pocket](#)
- [Periodontitis](#)
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- [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](#)