

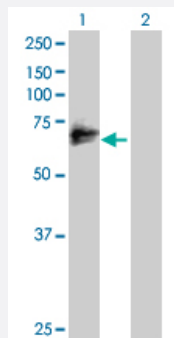
MaxPab®

MMP2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004313-D01P

Size 100 ug

Applications

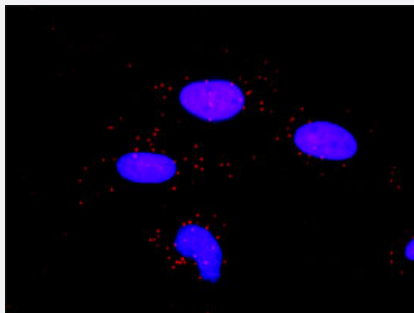


Western Blot (Transfected lysate)

Western Blot analysis of MMP2 expression in transfected 293T cell line ([H00004313-T01](#)) by MMP2 MaxPab polyclonal antibody.

Lane 1: MMP2 transfected lysate(73.90 kDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MMP2 and A2M. HeLa cells were stained with anti-MMP2 rabbit purified polyclonal 1:1200 and anti-A2M mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human MMP2 protein.

Immunogen

MMP2 (AAH02576.1, 1 a.a. ~ 660 a.a) full-length human protein.

Sequence	MEALMARGALTGPLRALCLLGCLLSHAAAAPSPIIKFPGDVAPKTDKELAVQYLNTFYGCPKESC NLFVLKDTLKKMQKFFGLPQTGDLQNTIETMRKPRCGNPDVANYNFFPRKPKWDKNQITYRIIGY TPDLDPETVDDAFARAFQVWSDVTPLRFSRIHDGEADIMINFGRWEHGDGYPFDDGKDLLAHAF APGTGVGGDSHFDDDELWTLGEGQVVRVKYGNADGEYCKFPFLFNGKEYNSCTDTGRSDGFL WCSTTYNFEKDGKYGFCPHEALFTMGGNAEGQPCKFPFRFQGTSYDSC TTEGRTDGYRWC GTT EDYDRDKKYGFCPETAMSTVGGNSEGAPCVFPFTFLGNKYESCTSAGRSDGKMWCATTANYDD DRKWGFCPDQGYSLFLVAAHEFGHAMGLEHSQDPGALMAPIYTYTKNFRLSQDDIKGIQELYGAS PDIDLGTGPTPTLGPVTPEICKQDIVFDGIAQIRGEIFFFKDRFIWRTVTPRDKPMGPLLVA TFWPEL PEKIDAVYEAPQEEKAVFFAGNEYWIYSASTLERGYPKPLTSLGLPPDVQQRVDAAFNWSKNKKTYI FAGDKFWRYNEVKKKMDPGFPKLIADAWNAIPDNLDAVVDLQGGGHSYFFKGAYLKLLENQSLK SVKFGSIKSDWLGC
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
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)

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MMP2 and A2M. HeLa cells were stained with anti-MMP2 rabbit purified polyclonal 1:1200 and anti-A2M mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — MMP2

Entrez GeneID [4313](#)

GeneBank Accession# [NM_004530](#)

Protein Accession#	AAH02576.1
Gene Name	MMP2
Gene Alias	CLG4, CLG4A, MMP-II, MONA, TBE-1
Gene Description	matrix metalloproteinase 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 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 type IV collagen, the major structural component of basement membranes. The enzyme plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	collagenase type IV-A matrix metalloproteinase 2 matrix metalloproteinase-III neutrophil gelatinase

Pathway

- [Bladder cancer](#)
- [GnRH signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [Pathways in cancer](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Atherosclerosis](#)

- [Atrial Fibrillation](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchopulmonary Dysplasia](#)
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- [Cardiac Output](#)
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- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
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- [Diabetic Angiopathies](#)
- [Diabetic Retinopathy](#)

- [Disease](#)
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- [Disease Susceptibility](#)
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- [Endometriosis](#)
- [Esophageal Neoplasms](#)
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- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Mouth Neoplasms](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
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- [Myocardial Infarction](#)
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- [Nasal Polyps](#)
- [Nasopharyngeal Neoplasms](#)
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- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
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- [Oral Submucous Fibrosis](#)
- [Osteoarthritis](#)

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- [Uterine Cervical Neoplasms](#)
- [Uterine Diseases](#)