

DNAxPAb

Hard-to-Find
Antibody

MMP2 DNAxPab

Catalog # H00004313-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human MMP2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MEALMARGALTGPLRALCLLGCLLSHAAAAPSPIIKFPGDVAPKTDKELAVQYLNTFYGCPKESC
NLFVLKDTLKKMQKFFGLPQTGDLQNTIETMRKPRCGNPDVANYNFFPRKPKWDKNQITYRIIGY
TPDLDPETVDDAFARAFQVWSDVTPLRFSRIHDGEADIMINFGRWEHGDGYFPDGDGGLLAHAF
APGTGVGGDSHFDDDELWTLGEGQVVRVKYGNADGEYCKFPFLFNGKEYNSCTDTGRSDGFL
WCSTTYNFEKDGKYGFCPHEALFTMGGNAEGQPCKFPFRFQGTSYDSCCTEGRTDGYRWCGTT
EDYDRDKKYGFCPETAMSTVGGNSEGAPCVFPFTFLGNKYESCSTAGRSDGKMWCATTANYDD
DRKWGFCDQGYSLFLVAAHEFGHAMGLEHSQDPGALMAPITYTKNFRLSQDDIKGIQELYGAS
PDIDLGTGPTPTLGPVTPEICKQDIVFDGIAQIRGEIFFFKDRFIWRTVTPRDKPMGPLLVAFWPEL
PEKIDAVYEAPQEEKAVFFAGNEYWIYSASTLERGYPKPLTSLGLPPDVQQRVDAAFNWSKNKKTYI
FAGDKFWRYNEVKKKMDPGFPKLIADAWNAIPDNLDVVDLQGGGHSYFFKGAYYKLKLENQSLK
SVKFGSIKSDWLGC

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 — MMP2

Entrez GeneID [4313](#)

GeneBank Accession# [BC002576.2](#)

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](#)
- [Carcinoma](#)
- [Cardiac Output](#)
- [Cardiovascular Diseases](#)
- [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](#)
- [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](#)

- [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](#)

- [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](#)

- [Rhinitis](#)
- [Scleroderma](#)
- [Sinusitis](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Spinal Diseases](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Diseases](#)