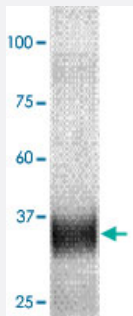


MMP7 polyclonal antibody

Catalog # PAB12712 Size 100 ug

Applications



Western Blot (Cell lysate)

The protein derived from the whole cell lysate of MMP7 stimulated A-431 was resolved onto 12% SDS-PAGE, transferred to NC membrane, followed by an immunoblotting with MMP7 polyclonal antibody (Cat # PAB12712) at 1 : 1000.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of MMP7.

Immunogen A synthetic peptide corresponding to C-terminus of human MMP7.

Host Rabbit

Theoretical MW (kDa) 30

Reactivity Human

Specificity This antibody recognizes ~30 KDa of human MMP7 protein.

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage

- Western Blot (0.1-1 ug/mL)
- ELISA (0.01-0.1 ug/mL)
- Immunoprecipitation (2-5 ug/mL)
- Immunohistochemistry (2-5 ug/mL)
- The optimal working dilution should be determined by the end user.

Storage Buffer In TBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

Store at 4°C. For long term storage store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

The protein derived from the whole cell lysate of MMP7 stimulated A-431 was resolved onto 12% SDS-PAGE, transferred to NC membrane, followed by an immunoblotting with MMP7 polyclonal antibody (Cat # PAB12712) at 1 : 1000.

- Immunohistochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP7

Entrez GeneID	4316
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Gene Name	MMP7
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Gene Alias	MMP-7, MPSL1, PUMP-1
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Gene Description	matrix metalloproteinase 7 (matrilysin, uterine)
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Omim ID	178990
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Gene Ontology	Hyperlink
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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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]
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Other Designations	matrin matrix metalloproteinase 7 matrix metalloproteinase 7 (matrilysin, uterine) uterine matrilysin
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Publication Reference

- [Protein Kinase D2 Assembles a Multiprotein Complex at the Trans-Golgi Network to Regulate Matrix Metalloproteinase Secretion.](#)

Eiseler T, Wille C, Koehler C, Illing A, Seufferlein T.

The Journal of Biological Chemistry 2016 Jan; 291(1):462.

Application: WB-Tr, Human, HEK 293T cells

- [Active matrilysin \(MMP-7\) in human pterygia: potential role in angiogenesis.](#)

Di Girolamo N, Coroneo MT, Wakefield D.

Investigative Ophthalmology & Visual Science 2001 Aug; 42(9):1963.

Application: IHC-P, WB-Re, Human, Human pterygia, Recombinant protein

Pathway

- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Arthritis](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis Obliterans](#)
- [Carcinoma](#)
- [Chorioamnionitis](#)
- [Colorectal Neoplasms](#)

- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Heart Neoplasms](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Hypercholesterolemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Ovarian cancer](#)

- [Ovarian Neoplasms](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)