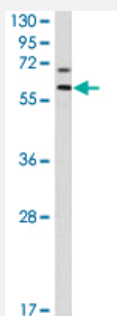


MMP17 polyclonal antibody

Catalog # PAB4785

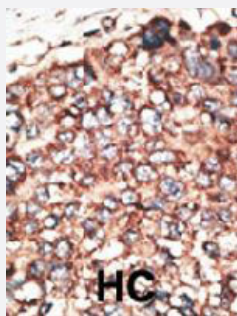
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MMP17 polyclonal antibody (Cat # PAB4785) in NCI-H460 cell lysate (35 ug/lane). MMP17 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MMP17 polyclonal antibody (Cat # PAB4785), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MMP17.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human MMP17.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:50-200) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MMP17 polyclonal antibody (Cat # PAB4785) in NCI-H460 cell lysate (35 ug/lane). MMP17 (arrow) was detected using the purified polyclonal antibody.

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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MMP17 polyclonal antibody (Cat # PAB4785), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP17

Entrez GeneID	4326
Protein Accession#	MM17_HUMAN
Gene Name	MMP17
Gene Alias	MT4-MMP
Gene Description	matrix metalloproteinase 17 (membrane-inserted)
Omim ID	602285
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. The protein encoded by this gene is considered a member of the membrane-type MMP (MT-MMP) subfamily. However, this protein is unique among the MT-MMP's in that it is a GPI-anchored protein rather than a transmembrane protein. The protein activates MMP-2 by cleavage. [provided by RefSeq]

Other Designations

matrix metalloproteinase 17|matrix metalloproteinase 17 (membrane-inserted)|membrane-type matrix metalloproteinase 4|membrane-type-4 matrix metalloproteinase

Publication Reference

- [MT4-MMP deficiency increases patrolling monocyte recruitment to early lesions and accelerates atherosclerosis.](#)

Clemente C, Rius C, Alonso-Herranz L, Martín-Alonso M, Pollán Á, Camafeita E, Martínez F, Mota RA, Núñez V, Rodríguez C, Seiki M, Martínez-González J, Andrés V, Ricote M, Arroyo AG.

Nature Communications 2018 Mar; 9(1):910.

Application: IF, IHC-Fr, IHC-P, Mouse, Aortas, Hearts

- [mRNA expression of the five membrane-type matrix metalloproteinases MT1-MT5 in human prostatic cell lines and their down-regulation in human malignant prostatic tissue.](#)

Jung M, Romer A, Keyszer G, Lein M, Kristiansen G, Schnorr D, Loening SA, Jung K.

Prostate 2003 May; 55(2):89.

- [Membrane type 4 matrix metalloproteinase \(MT4-MMP, MMP-17\) is a glycosylphosphatidylinositol-anchored proteinase.](#)

Itoh Y, Kajita M, Kinoh H, Mori H, Okada A, Seiki M.

The Journal of Biological Chemistry 1999 Nov; 274(48):34260.

- [Catalytic activities and substrate specificity of the human membrane type 4 matrix metalloproteinase catalytic domain.](#)

Wang Y, Johnson AR, Ye QZ, Dyer RD.

The Journal of Biological Chemistry 1999 Nov; 274(46):33043.

Disease

- [Chorioamnionitis](#)

- [Disease Progression](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)