

For Research Use Only

MMP-9 (C-terminal) Polyclonal antibody

Catalog Number: 26180-1-AP

1 Publications



Basic Information

Catalog Number:

26180-1-AP

Size:

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22880

GenBank Accession Number:

BC006093

GeneID (NCBI):

4318

UNIPROT ID:

P14780

Full Name:

matrix metalloproteinase 9
(gelatinase B, 92kDa gelatinase,
92kDa type IV collagenase)

Calculated MW:

707 aa, 78 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:150-1:600

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

IHC : human tonsillitis tissue,

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Background Information

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes, such as arthritis or metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) (MMP9, synonyms: GELB, CLG4B) degrades collagens type IV and V. Studies in rhesus monkeys suggest that MMP9 is involved in IL-8-induced mobilization hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. The pro-MMP9 is 92 kDa, and it can be detected a processed form of 68 kDa or 82 kDa. This protein can exist as a dimer of 180 kDa (PMID:7492685).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen Chen	39382242	Adv Healthc Mater	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26180-1-AP (MMP9 (C-terminal) antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26180-1-AP (MMP9 (C-terminal) antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).