

For Research Use Only

Mmp9 Polyclonal antibody

Catalog Number: 30592-1-AP

3 Publications



Basic Information

Catalog Number:

30592-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_013599

GeneID (NCBI):

17395

UNIPROT ID:

P41245-1

Full Name:

matrix metalloproteinase 9

Calculated MW:

81kd

Observed MW:

80-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

mouse, human

Cited Species:

human, mouse

Positive Controls:

WB : mouse lung tissue, mouse spleen tissue

IP : mouse lung tissue,

IF/ICC : U2OS cells, A431 cells

Background Information

Mmp9 (matrix metalloproteinase 9), also known as Clg4b. It is expected to be located in extracellular matrix. 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. 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 calculated molecular weight of Mmp9 is 80 kDa, the pro-MMP9 is 92 kDa, and this protein can exist as a dimer of 180 kDa (PMID:7492685).

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Xie	39679768	Small	WB, IF
Zhetao Li	39624399	J Inflamm Res	WB
Bo Zheng	39100995	Oncol Lett	WB

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

*** 20ul sizes contain 0.1% BSA

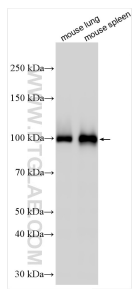
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

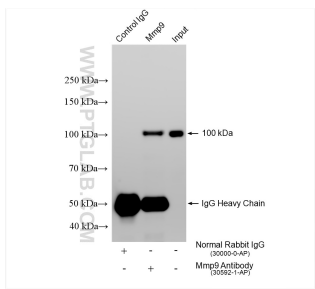
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



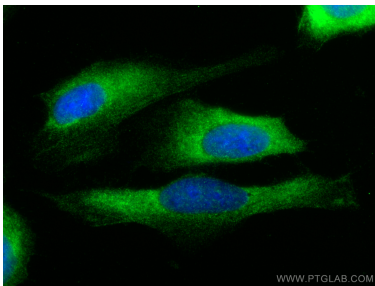
Various lysates were subjected to SDS PAGE followed by western blot with 30592-1-AP (Mmp9 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-Mmp9 (IP:30592-1-AP, 4ug; Detection:30592-1-AP 1:6000) with mouse lung tissue lysate 1200 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Mmp9 antibody (30592-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using Mmp9 antibody (30592-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).