

For Research Use Only

# Mmp9 Polyclonal antibody

Catalog Number:30592-1-AP



## Basic Information

**Catalog Number:**  
30592-1-AP

**Size:**  
150ul , Concentration: 500 µg/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 1:200-1:800

## Applications

**Tested Applications:**  
WB, IP, IF, ELISA

**Species Specificity:**  
mouse, human

**Positive Controls:**

**WB :** mouse lung tissue, mouse spleen tissue

**IP :** mouse lung tissue,

**IF :** 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).

## 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

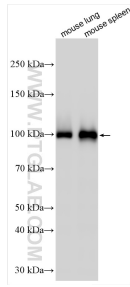
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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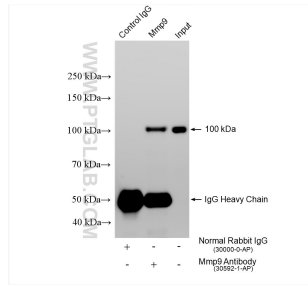
E: proteintech@ptglab.com  
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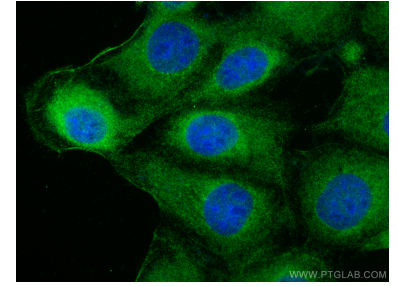
## Selected Validation Data



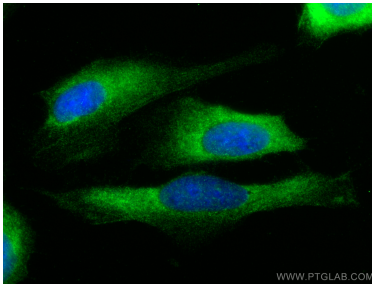
Various lysates were subjected to SDS PAGE followed by western blot with 30592-1-AP (Mmp9 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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 AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L).