

For Research Use Only

# MMP26 Polyclonal antibody

Catalog Number: 18087-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 18087-1-AP	<b>GenBank Accession Number:</b> BC101541	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 240 µg/ml by Nanodrop and 153 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56547	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> matrix metalloproteinase 26	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 262 aa, 30 kDa	
<b>Immunogen Catalog Number:</b> AG12806	<b>Observed MW:</b> 19 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB:</b> SKOV-3 cells, HEK-293 cells, human placenta tissue
<b>Species Specificity:</b> human	<b>IHC:</b> human prostate cancer tissue,
<b>Cited Species:</b> human	<b>IF:</b> SKOV-3 cells,

**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

MMP26(matrix metalloproteinase 26) may hydrolyze collagen type IV, fibronectin, fibrinogen, beta-casein, type I gelatin and alpha-1 proteinase inhibitor. MMP26 is expressed in placenta and uterus and is widely expressed in malignant tumors from different sources as well as in diverse tumor cell lines(PMID: 10987280). The proenzyme without the signal peptide has a calculated molecular mass of 29 kDa and the processed enzyme has a calculated molecular mass of 19 kDa(PMID:15574774). This antibody is specific to MMP26.

## Notable Publications

Author	Pubmed ID	Journal	Application
Teng Cheng	29270749	J Huazhong Univ Sci Technolog Med Sci	IHC
Sarah Abdullah	37315138	Sci Adv	WB

## Storage

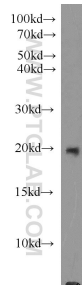
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

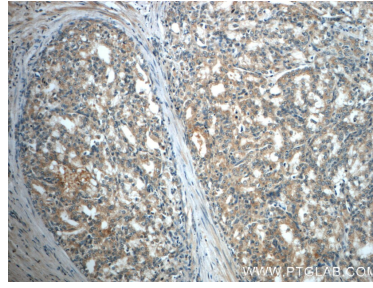
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

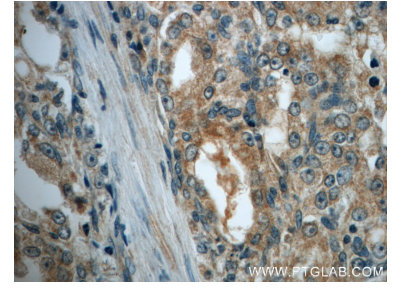
## Selected Validation Data



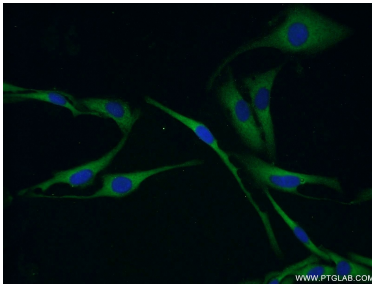
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 18087-1-AP (MMP26 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer slide using 18087-1-AP (MMP26 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human prostate cancer slide using 18087-1-AP (MMP26 Antibody) at dilution of 1:50.



Immunofluorescent analysis of SKOV-3 cells using 18087-1-AP (MMP26 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).