

For Research Use Only

# MMP8 Polyclonal antibody

Catalog Number: 17874-1-AP **11 Publications**



## Basic Information

<b>Catalog Number:</b> 17874-1-AP	<b>GenBank Accession Number:</b> BC074988	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4317	<b>Recommended Dilutions:</b> WB 1:500-1:2400 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> matrix metalloproteinase 8 (neutrophil collagenase)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 467 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG12367	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, Jurkat cells, mouse liver tissue IP : mouse liver tissue, IHC : human placenta tissue, human kidney tissue, human ovary tissue, human spleen tissue, human testis tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MMP8(Matrix metalloproteinase-8) an enzyme that degrades fibrillar collagens imparting strength to the fetal membranes, is expressed by leukocytes and chorionic cytotrophoblast cells(PMID:15367487). Purified human neutrophil MMP-8 with proMMP-8 at 75 kDa and active enzyme at 65 kDa and amniochorion proenzyme and active enzyme at 65 and 50 kDa, respectively(PMID:15042023).

## Notable Publications

Author	Pubmed ID	Journal	Application
Junxiong Zhao	36302628	Korean J Physiol Pharmacol	WB
Congshan Jiang	31275058	Mediators Inflamm	WB
Yaron Vagima	25974210	PLoS Pathog	WB

## Storage

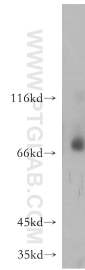
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

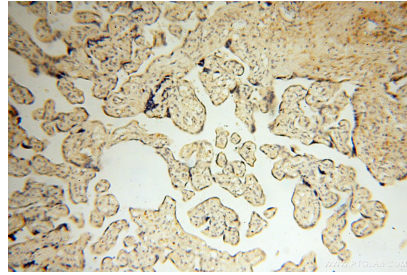
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

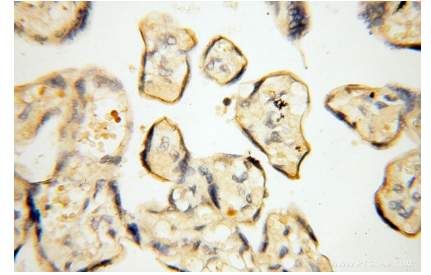
## Selected Validation Data



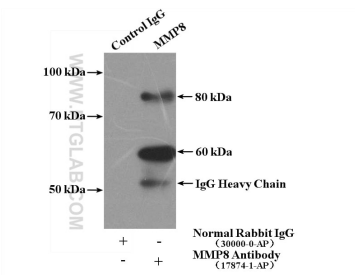
HepG2 cells were subjected to SDS PAGE followed by western blot with 17874-1-AP (MMP8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 17874-1-AP (MMP8 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 17874-1-AP (MMP8 antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-MMP8 (IP:17874-1-AP, 4ug;  
Detection:17874-1-AP 1:500) with mouse liver  
tissue lysate 3600ug.