For Research Use Only

MMP3 Polyclonal antibody

Catalog Number:17873-1-AP Featured Product 185 Publications

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Basic Information

Catalog Number:
17873-1-AP

Size:
150ul , Concentration: 400 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12359

GenBank Accession Number:
BC074869

GeneID (NCBI):
4314

UNIPROT ID:
P08254

Full Name:
matrix metallopeptidase 3 (stromelysin 1, progelatinase)

Calculated MW:
477 aa, 54 kDa

Observed MW:
45-60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:20-1:200
IF 1:200-1:800

Applications

Tested Applications:
WB, IF, IHC, ELISA

Cited Applications:
WB, IF, FC, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse, rabbit, pig, bovine

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

Positive Controls:

WB : A2780 cells, A549 cells, HeLa cells, human skeletal muscle tissue, U-87 MG cells, PC-12 cells

IHC : human breast cancer tissue, human stomach cancer tissue

IF : A549 cells,

Background Information

Matrix metalloproteinases (MMPs) play a critically important role in extracellular matrix remodeling and have been implicated in a number of key normal and pathologic processes.These proteases have come to represent important therapeutic and diagnostic targets for the treatment and detection of human cancers. MMP-3 activate procollagenase via two pathways: slow direct activation and rapid activation in conjunction with tissue or plasma proteinases. The pro-MMP3 (60 kDa) and the active MMP3 (47 kDa) can be detected through western blot.

Notable Publications

Author	Pubmed ID	Journal	Application
Chun-Na Lan	34590154	Mol Med Rep	WB
Yitong Zhao	36156740	J Bone Miner Metab	WB
Xinghuo Wu	31554783	Exp Mol Med	WB

Storage

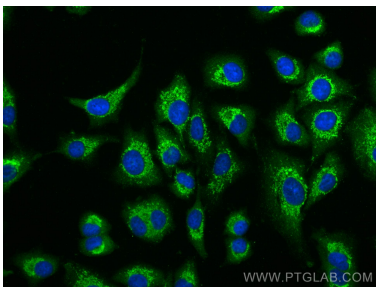
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

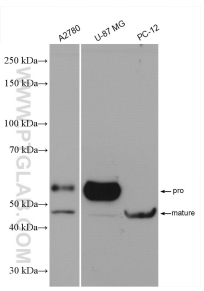
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

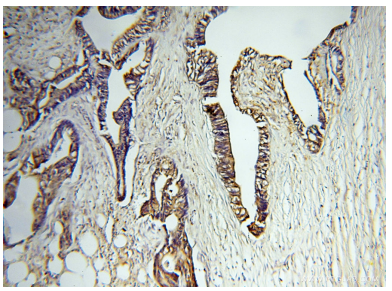
Selected Validation Data



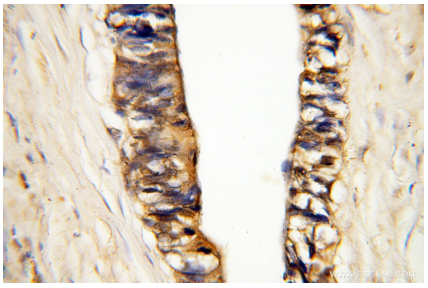
Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using MMP3 antibody (17873-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



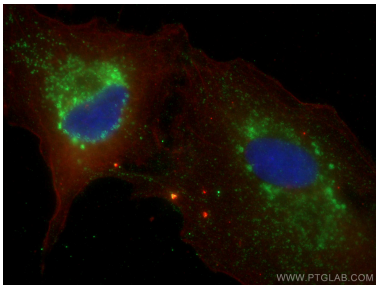
Various lysates were subjected to SDS PAGE followed by western blot with 17873-1-AP (MMP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 17873-1-AP (MMP3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 17873-1-AP (MMP3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using MMP3 antibody (17873-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).