For Research Use Only

## MMP1 Polyclonal antibody

Catalog Number:10371-2-AP

Featured Product

179 Publications

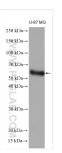


Basic Information	Catalog Number: 10371-2-AP	GenBank Accession Number: BC013875	Purification Method: Antigen affinity purification
	Size:	GeneID (NCBI):	Recommended Dilutions:
	150ul , Concentration: 700 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG	UNIPROT ID:	WB 1:1000-1:4000 IF 1:50-1:500
		matrix metallopeptidase 1 (interstitial collagenase)	
		Immunogen Catalog Number: AG0547	Calculated MW: 54 kDa
	Observed MW: 52-56 kDa, 62 kDa		
	Applications	Tested Applications:	Positive Controls:
WB, IF, FC, ELISA		WB : U-87 MG cells, NIH/3T3 cells	
Cited Applications: WB, IF, IHC		IF : MCF-7 cells, HepG2 cells	
Species Specificity: human, mouse, rat			
Cited Species:			
	human, rat, mouse, rabbit, bovine		
Background Information	human, rat, mouse, rabbit, bovine MMP1, also named as CLG, belongs to collagen, namely types I, II, III, VII, a regulated in cancer cells. It can be clu minor form (25 kDa) is the glycosyla kDa form can act as activator for coll	nd X.It is involved in cell migratior eavage to two major forms (22 kDa ted form of the 22 kDa form. The 27 agenase.The sizes of pro-MMP-1 an to 56 kDa, depending on glycosyla	and 27 kDa) by undergoing autolytic,and the kDa form has no activity while the 22/25 d active MMP-1 from human synovial tion, and 41 to 45 kDa, respectively.In
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For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

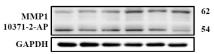
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## **Selected Validation Data**

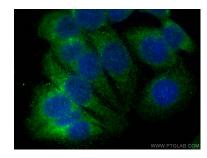


U-87 MG cells were subjected to SDS PAGE followed by western blot with 10371-2-AP (MMP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

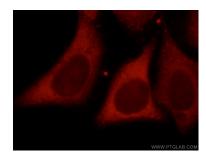




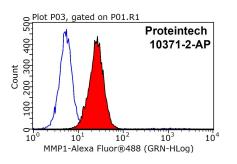
WB results of MMP1 antibody (10371-1-AP, 1:500) with NIH3T3 cells, 62 kDa for pro-MMP1 and 54 kDa for Active MMP1. Data from Dr. Hui-Wen Chiu, Taipei Medical University.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using MMP1 antibody (10371-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of HepG2 cells, using MMP1 antibody 10371-2-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug MMP1 antibody (10371-2-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.