

For Research Use Only

MMP3 Recombinant antibody

Catalog Number: 82984-4-RR **1 Publications**



Basic Information

Catalog Number: 82984-4-RR	GenBank Accession Number: BC074815	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4314	CloneNo.: 230535G8
Source: Rabbit	UNIPROT ID: P08254	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: matrix metalloproteinase 3 (stromelysin 1, progelatinase)	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : U-87 MG cells, A2780 cells
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: mouse	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Haokun Mo	39564812	Bone Joint Res	WB, IHC

Storage

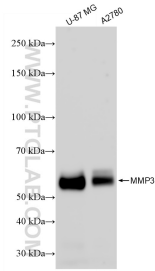
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

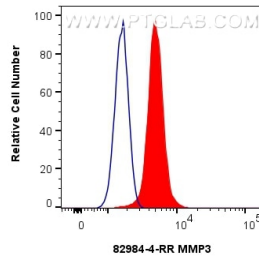
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

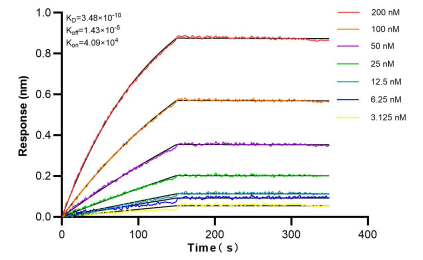
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82984-4-RR (MMP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HepG2 cells were intracellularly stained with 0.4 μ g MMP3 Recombinant antibody (82984-4-RR, Clone:230535G8) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 82984-4-RR against Human MMP3 were performed. The affinity constant is 0.348 nM.