

For Research Use Only

# MMP3 Recombinant antibody

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



## Basic Information

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

## Applications

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

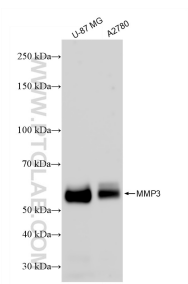
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

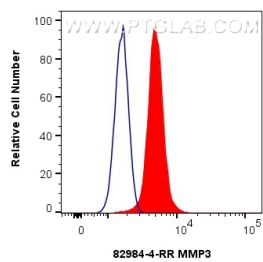
For technical support and original validation data for this product please contact:  
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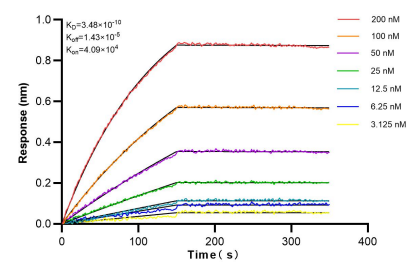
Selected Validation Data



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.



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug MMP3 Recombinant antibody (82984-4-RR, Clone:230535G8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82984-4-RR against Human MMP3 were performed. The affinity constant is 0.348 nM.