

For Research Use Only

# TIMP2 Recombinant antibody

Catalog Number: 83938-3-RR



## Basic Information

<b>Catalog Number:</b> 83938-3-RR	<b>GenBank Accession Number:</b> BC052605	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7077	<b>CloneNo.:</b> 243160E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P16035	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> TIMP metalloproteinase inhibitor 2	
<b>Immunogen Catalog Number:</b> EG0430	<b>Calculated MW:</b> 220 aa, 24 kDa	
	<b>Observed MW:</b> 21-24 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, HT-1080 cells, HeLa cells
<b>Species Specificity:</b> human	

## Background Information

The TIMPs are natural highly specific endogenous inhibitors of MMPs. Human TIMP family consists of four 21-28 kDa proteins known as TIMP1, TIMP2, TIMP3, and TIMP4 encoded by four paralogous genes. TIMPs are vital to the maintenance of ECM homeostasis primarily through their MMP inhibitory functions. TIMP2, a member of the TIMP family, regulates the proteolytic activity of all MMPs and is involved in cell differentiation, growth, migration, angiogenesis, and apoptosis. Urinary TIMP2 has been recently recognized as an early biomarker to predict Acute kidney injury (AKI) in critically ill patients.

## Storage

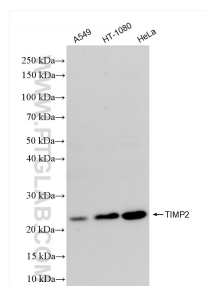
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83938-3-RR (TIMP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.