

For Research Use Only

TIMP2 Recombinant antibody

Catalog Number:85882-2-RR



Basic Information

Catalog Number: 85882-2-RR	GenBank Accession Number: uniprot NM	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 21858	CloneNo.: 250231B8
Source: Rabbit	UNIPROT ID: P25785	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: tissue inhibitor of metalloproteinase 2	
Immunogen Catalog Number: EG2960	Calculated MW: 24 kDa	
	Observed MW: 20-24 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : A172 cells, mouse testis tissue, rat testis tissue

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

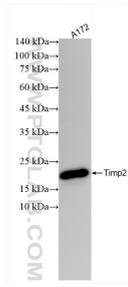
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

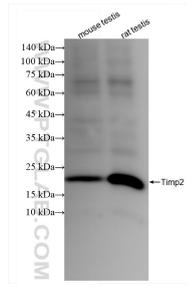
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



A172 cells were subjected to SDS PAGE followed by western blot with 85882-2-RR (Timp2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 85882-2-RR (Timp2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.