

For Research Use Only

TIMP2 Recombinant antibody, PBS Only

Catalog Number: 83938-3-PBS



Basic Information

Catalog Number: 83938-3-PBS	GenBank Accession Number: BC052605	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7077	CloneNo.: 243160E10
Source: Rabbit	UNIPROT ID: P16035	
Isotype: IgG	Full Name: TIMP metalloproteinase inhibitor 2	
Immunogen Catalog Number: EG0430	Calculated MW: 220 aa, 24 kDa	
	Observed MW: 21-24 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
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

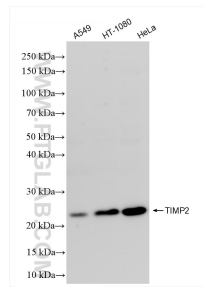
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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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. This data was developed using the same antibody clone with 83938-3-PBS in a different storage buffer formulation.