

For Research Use Only

TIMP-2 Polyclonal antibody

Catalog Number: 17353-1-AP

22 Publications



Basic Information

Catalog Number: 17353-1-AP	GenBank Accession Number: BC052605	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7077	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: TIMP metalloproteinase inhibitor 2	
Isotype: IgG	Calculated MW: 220 aa, 24 kDa	
Immunogen Catalog Number: AG10051		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human kidney tissue,
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
Cited Species: bovine, human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Xiao He	30219235	Biochem Biophys Res Commun	WB
Jen-Jie Lin	25222667	Mar Drugs	WB
Lin Zhang	30388517	Int Immunopharmacol	WB, IHC

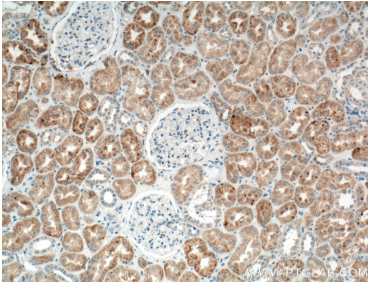
Storage

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

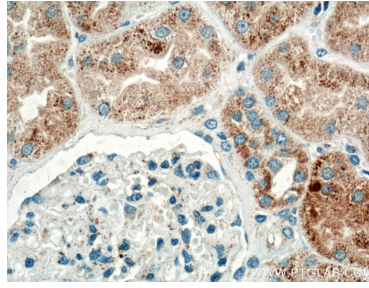
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17353-1-AP (TIMP-2) antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17353-1-AP (TIMP-2) antibody at dilution of 1:200 (under 40x lens).