

TIMP2 Polyclonal antibody

Catalog Number: 26647-1-AP

Basic Information

Catalog Number:	26647-1-AP	GenBank Accession Number:	BC052605	Purification Method:	Antigen affinity purification
Size:	500 µg/ml	GeneID (NCBI):	7077	Recommended Dilutions:	IHC 1:50-1:500
Source:	Rabbit	UNIPROT ID:	P16035		
Isotype:	IgG	Full Name:	TIMP metalloproteinase inhibitor 2		
Immunogen Catalog Number:	AG24436	Calculated MW:	220 aa, 24 kDa		

Applications

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

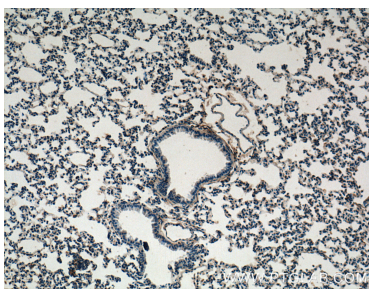
Background Information

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.

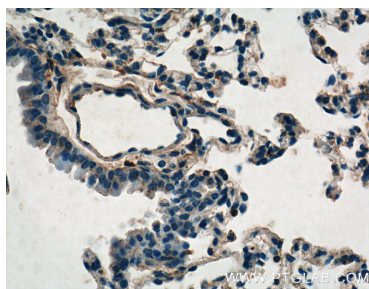
Storage

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 26647-1-AP (TIMP2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 26647-1-AP (TIMP2 Antibody) at dilution of 1:200 (under 40x lens).