

Datasheet for ABIN668346  
**anti-TIMP2 antibody (AA 131-220)**

3 Images

6 Publications

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	TIMP2
Binding Specificity:	AA 131-220
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TIMP-2
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	TIMP2
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## Target Details

Alternative Name:	TIMP-2 ( <a href="#">TIMP2 Products</a> )
Background:	<p>Synonyms: DDC8, CSC-21K, KIAA1731NL, Metalloproteinase inhibitor 2, Tissue inhibitor of metalloproteinases 2, TIMP-2, TIMP2</p> <p>Background: Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-1, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.</p>
Gene ID:	7077
UniProt:	<a href="#">P16035</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

## Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

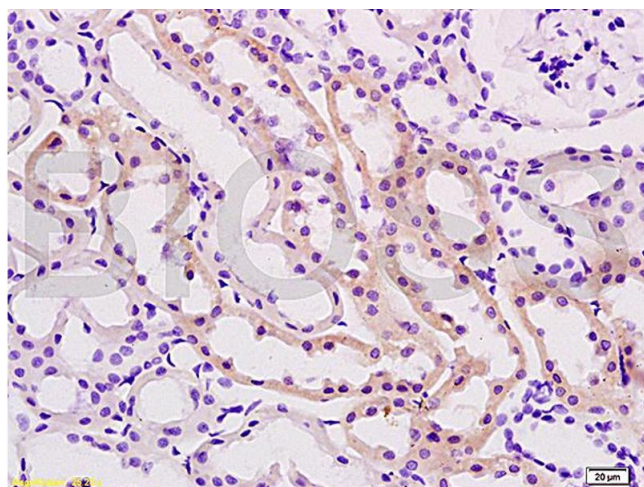
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

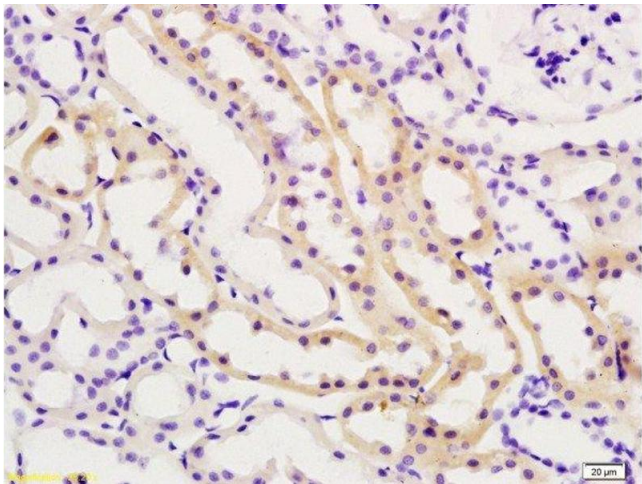
- Product cited in:
- Varghese, Joseph, S R, B S, Sreelekha: "The inhibitory effect of anti- tumor polysaccharide from Punica granatum on metastasis." in: **International journal of biological macromolecules**, Vol. 103, pp. 1000-1010, (2017) ([PubMed](#)).
- Lu, Huang, Shih, Chang, Tsai, Lin, Shih: "Dipeptidyl peptidase-4 inhibitor decreases abdominal aortic aneurysm formation through GLP-1-dependent monocytic activity in mice." in: **PLoS ONE**, Vol. 10, Issue 4, pp. e0121077, (2015) ([PubMed](#)).
- Ni, Ding, Zhou, Qiu, Tang: "Renoprotective effects of berberine through regulation of the MMPs/TIMPs system in streptozocin-induced diabetic nephropathy in rats." in: **European journal of pharmacology**, Vol. 764, pp. 448-456, (2015) ([PubMed](#)).
- Watts, Bilska, Diab, Dunster, Bulmer, Barnett, Fraser: "Novel 24-h ovine model of brain death to study the profile of the endothelin axis during cardiopulmonary injury." in: **Intensive care medicine experimental**, Vol. 3, Issue 1, pp. 31, (2015) ([PubMed](#)).
- Fang, Wu, Huang: "Raloxifene upregulated mesangial cell MMP-2 activity via ER- $\alpha$  through transcriptional regulation." in: **Cell biochemistry and biophysics**, Vol. 67, Issue 2, pp. 607-13, (2013) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)

## Images



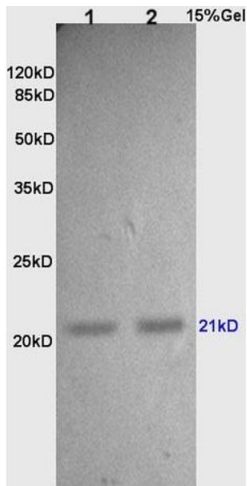
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat kidney tissue labeled with Anti-TIMP-2 Polyclonal Antibody (ABIN668346), Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Formalin-fixed and paraffin embedded rat kidney tissue labeled with Anti-TIMP-2 Polyclonal Antibody , Unconjugated at 1:200, followed by conjugation to the secondary antibody and DAB staining



**SDS-PAGE**

**Image 3.** L1 and L2 rat lung lysates probed with Anti TIMP-2 Polyclonal Antibody, Unconjugated (ABIN668346) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 24kD. Observed band size: 21kD