

Datasheet for ABIN6265583
anti-TIMP3 antibody (Internal Region)[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TIMP3
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human TIMP3, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	TIMP3 Antibody detects endogenous levels of total TIMP3.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	TIMP3
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Target Details

Alternative Name:	TIMP3 (TIMP3 Products)
Background:	<p>Description: Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15.</p> <p>Gene: TIMP3</p>
Molecular Weight:	24kDa
Gene ID:	7078
UniProt:	P35625

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

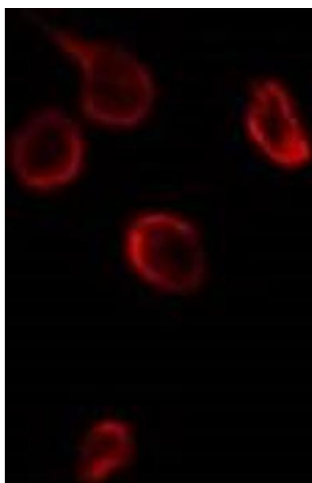
Publications

Product cited in:	Shao, Zhang, Ma, Lu, Meng, Li, Wang, Chen, Zhang, Han, Liu, Ma: "MicroRNA-139-5p affects cisplatin sensitivity in human nasopharyngeal carcinoma cells by regulating the epithelial-to-mesenchymal transition." in: Gene , Vol. 652, pp. 48-58, (2018) (PubMed).
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Li, Shen, Wang, Li, Wang, Jiang, Zhou, Feng: "EGCG regulates the cross-talk between JWA and topoisomerase IIa in non-small-cell lung cancer (NSCLC) cells." in: **Scientific reports**, Vol. 5, pp. 11009, (2016) ([PubMed](#)).

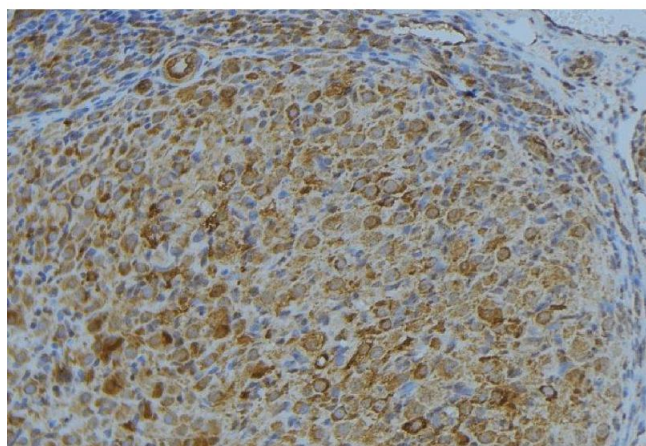
Li, Zhang, Sun, Sun, Shi, Liu, Liu: "MicroRNA-181a regulates epithelial-mesenchymal transition by targeting PTEN in drug-resistant lung adenocarcinoma cells." in: **International journal of oncology**, Vol. 47, Issue 4, pp. 1379-92, (2016) ([PubMed](#)).

Images



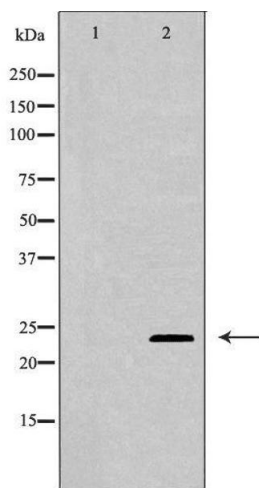
Immunofluorescence (fixed cells)

Image 1. ABIN6276697 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Immunohistochemistry

Image 2. ABIN6276697 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



Western Blotting

Image 3. Western blot analysis of extracts of PC-3, using TIMP3 antibody. The lane on the left is treated with the antigen-specific peptide.