

# Anti-TIMP2 Antibody

Rabbit polyclonal antibody to TIMP2

Catalog # AP59717

## Product Information

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<b>Application</b>	WB, IF/IC, IHC
<b>Primary Accession</b>	<a href="#">P16035</a>
<b>Other Accession</b>	<a href="#">P25785</a>
<b>Reactivity</b>	Human, Mouse, Rat, Monkey, Pig
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	24399

## Additional Information

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<b>Gene ID</b>	7077
<b>Other Names</b>	Metalloproteinase inhibitor 2; CSC-21K; Tissue inhibitor of metalloproteinases 2; TIMP-2
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TIMP2. The exact sequence is proprietary.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	TIMP2
<b>Function</b>	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-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.
<b>Cellular Location</b>	Secreted.

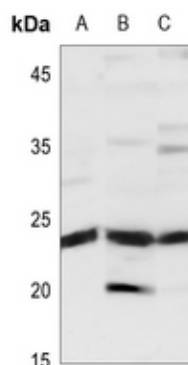
## Background

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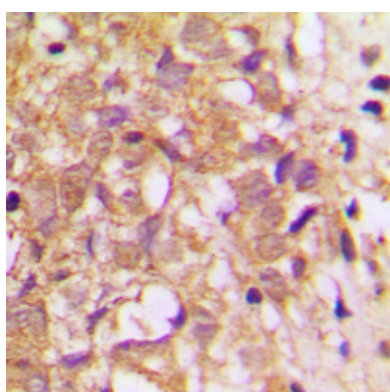
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TIMP2. The exact sequence is proprietary.

## Images

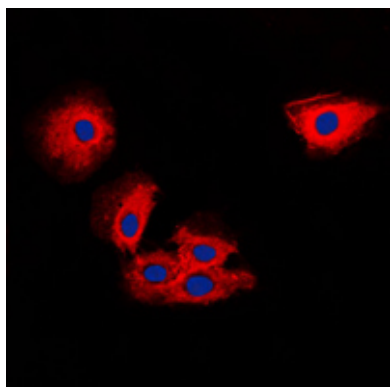
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Western blot analysis of TIMP2 expression in U2OS (A), mouse testis (B), rat testis (C) whole cell lysates.



Immunohistochemical analysis of TIMP2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of TIMP2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.