

## Product datasheet for **TA327073**

### TIMP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human TIMP2
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TIMP metalloproteinase inhibitor 2
Database Link:	<a href="#">NP_003246</a>

[Entrez Gene 21858 Mouse](#)[Entrez Gene 29543 Rat](#)[Entrez Gene 7077 Human](#)  
[P16035](#)

**Background:** TIMPs are members of the family of tissue inhibitor of matrix metalloproteinases (MMPs) that includes TIMP1, TIMP2, TIMP3, and TIMP4. The main function of TIMPs is their inhibitory effect on MMPs. TIMPs irreversibly inactivate MMPs by direct binding to their catalytic zinc cofactor and resultant inhibition of proteinase function. In addition to MMP inhibition, TIMPs have also been shown to interact with various membrane receptors on the cell surface. Some of these interactions include: TIMP1 with CD63, TIMP2 with  $\alpha\beta1$  integrin, and TIMP3 with VEGFR2, all of which result in distinct cellular effects. TIMPs are involved in a wide variety of biological functions, such as tumor angiogenesis and progression, wound healing, and vascular remodeling. Mutations in TIMP3 are associated with Sorsby's fundus dystrophy.

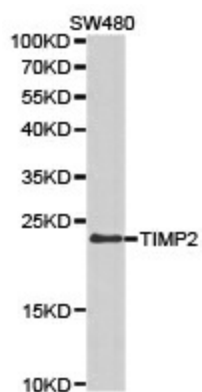


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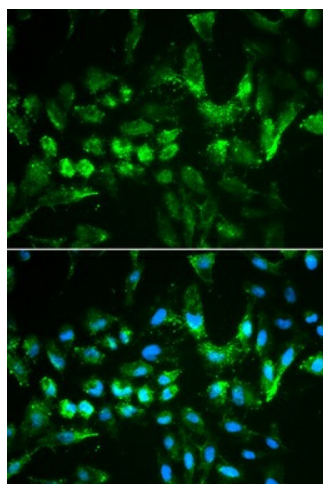
Synonyms: CSC-21K; DDC8

Protein Families: Druggable Genome, Secreted Protein

### Product images:



Western blot analysis of extracts of SW480 cell lines, using TIMP2 antibody.



Immunofluorescence analysis of MCF7 cell using TIMP2 antibody. Blue: DAPI for nuclear staining.