

Rabbit TIMP2 Polyclonal Antibody | anti-TIMP2 antibody

TIMP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA168136	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

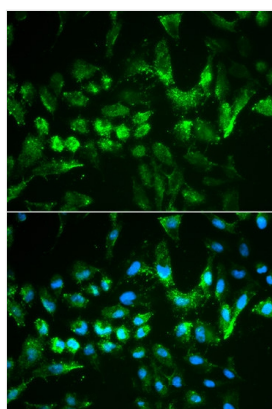
PRODUCT SYNONYMS

TIMP2; Polyclonal Antibody; TIMP2 Antibody; CSC-21K; anti-TIMP2 antibody

PRODUCT SPECIFICATIONS

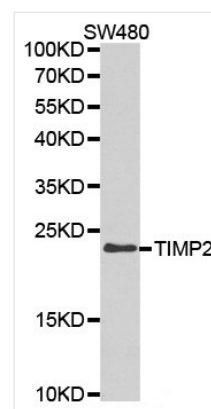
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	129
Applicable Applications for anti-TIMP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human TIMP2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

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



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-TIMP2 antibody	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 (1, 2). 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 alpha3beta1 integrin, and TIMP3 with VEGFR2, all of which result in distinct cellular effects (3). TIMPs are involved in a wide variety of biological functions, such as tumor angiogenesis and progression (4, 5), wound healing, and vascular remodeling (6, 7). Mutations in TIMP3 are associated with Sorsby's fundus dystrophy (8, 9).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255923411
Molecular Weight	13,651 Da
NCBI Official Full Name	TIMP2; TIMP metallopeptidase inhibitor 2
UniProt Protein Name	TIMP2 TIMP metallopeptidase inhibitor 2
UniProt Gene Name	Amir_5100
UniProt Entry Name	C6WSA2_ACTMD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/timp2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/168136>