

## TIMP2 Ab

[References\(2\)](#) [Images\(1\)](#)

|               |                 |                       |
|---------------|-----------------|-----------------------|
| Cat.#: DF6454 | Concn.: ~1mg/ml | Mol.Wt.: 24kDa        |
| Size:         | Source: Rabbit  | Clonality: Polyclonal |

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500  
\*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

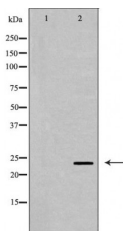
Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human TIMP2, corresponding to a region within the internal amino acids.

Uniprot: P16035

Description: 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  $\alpha 5 \beta 1$  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 (4,5), wound healing, and vascular remodeling (6,7).



Western blot analysis of extracts from SW480, using TIMP2 Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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procedures. Not for resale without express authorization.