

**Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13540**

**Specification**

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**Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody - Product Information**

Application	,1,14,3,4,
Primary Accession	<a href="#">P16035</a>
Other Accession	<a href="#">633514</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2a, kappa
Calculated MW	24399

**Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody - Additional Information**

**Gene ID** 7077

**Other Names**

Metalloproteinase inhibitor 2; TIMP metalloproteinase inhibitor 2; TIMP-2; TIMP2; Tissue Inhibitor of Metalloproteinase 2

**Format**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody - Protein Information**

**Name** TIMP2

**Function**

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.

**Cellular Location**

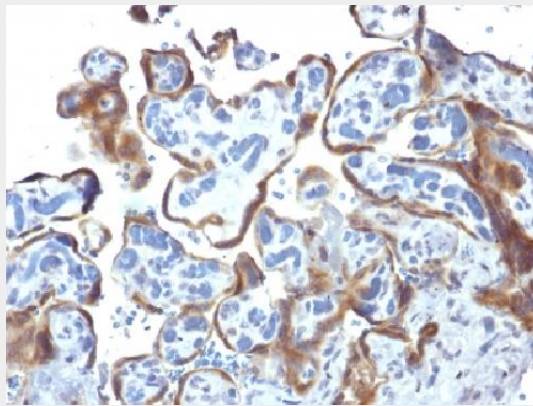
Secreted.

## Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody - Images



Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Monoclonal Antibody (3A4).

## Anti-TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody - Background

It recognizes a protein of 21kDa, identified as tissue inhibitor of metalloproteinases-2 (TIMP-2). It is closely related to TIMP-1 and shows the highest binding affinity to both the latent (pro) and active forms of 72kDa Type IV collagenase (also known as MMP-2 or gelatinase A). It also has affinity for the active form of 92kDa Type IV collagenase (also known as MMP-9 or gelatinase B). TIMP-2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.