

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

Specification

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

| | |
|-------------------|--|
| Application | ,1,14,3,4, |
| Primary Accession | P16035 |
| Other Accession | 633514 |
| 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

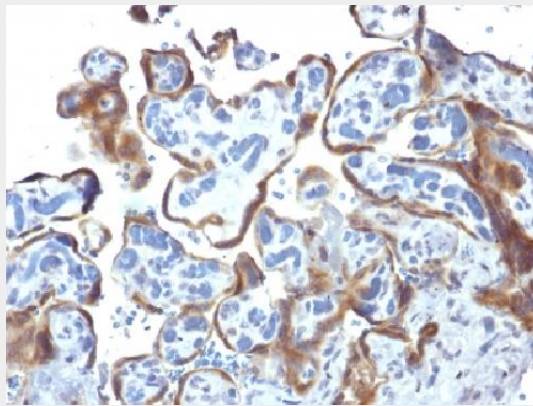
Secreted.

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.