

**TIMP2 Antibody (clone 3A4)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13261**

**Specification**

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**TIMP2 Antibody (clone 3A4) - Product Information**

Application	IHC
Primary Accession	<a href="#">P16035</a>
Reactivity	Human, Mouse, Rabbit, Zebrafish, Pig, Chicken
Host	Mouse
Clonality	Monoclonal
Calculated MW	24kDa kDa

**TIMP2 Antibody (clone 3A4) - Additional Information**

**Gene ID** 7077

**Other Names**

Metalloproteinase inhibitor 2, CSC-21K, Tissue inhibitor of metalloproteinases 2, TIMP-2, TIMP2

**Reconstitution & Storage**

Long term: -20°C; Short term: -20°C

**Precautions**

TIMP2 Antibody (clone 3A4) is for research use only and not for use in diagnostic or therapeutic procedures.

**TIMP2 Antibody (clone 3A4) - 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.

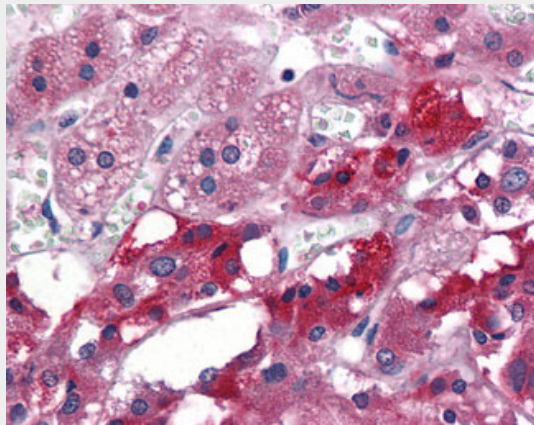
**TIMP2 Antibody (clone 3A4) - Protocols**

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

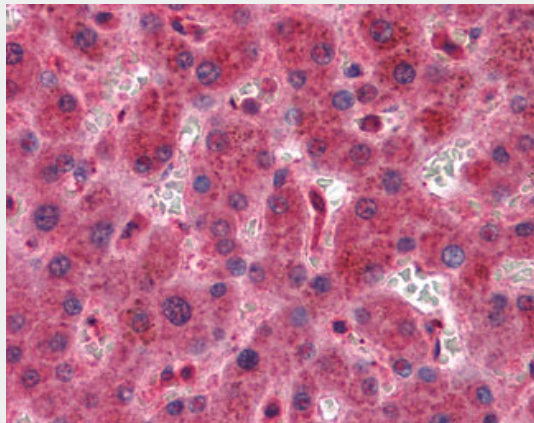
- [Western Blot](#)
- [Blocking Peptides](#)

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

#### **TIMP2 Antibody (clone 3A4) - Images**



Anti-TIMP2 antibody IHC of human adrenal.



Anti-TIMP2 antibody IHC of human liver.

#### **TIMP2 Antibody (clone 3A4) - Background**

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.

#### **TIMP2 Antibody (clone 3A4) - References**

Stetler-Stevenson W.G., et al. *J. Biol. Chem.* 265:13933-13938(1990).  
Boone T.C., et al. *Proc. Natl. Acad. Sci. U.S.A.* 87:2800-2804(1990).  
Hammani K., et al. *J. Biol. Chem.* 271:25498-25505(1996).  
Malik K., et al. Submitted (AUG-1990) to the EMBL/GenBank/DDBJ databases.  
Stetler-Stevenson W.G., et al. *J. Biol. Chem.* 264:17374-17378(1989).