

## TIMP1 (aa129-143) Antibody (internal region)

Peptide-affinity purified goat antibody Catalog # AF3664a

# **Specification**

## TIMP1 (aa129-143) Antibody (internal region) - Product Information

Application WB, E
Primary Accession P01033

Other Accession <u>NP\_003245.1</u>, <u>7076</u>, <u>116510 (rat)</u>

Reactivity
Predicted
Dog
Host
Clonality
Concentration
Isotype
Human
Dog
Goat
Cont
Goat
Polyclonal
0.5 mg/ml

## TIMP1 (aa129-143) Antibody (internal region) - Additional Information

#### **Gene ID 7076**

Calculated MW

## **Other Names**

Metalloproteinase inhibitor 1, Erythroid-potentiating activity, EPA, Fibroblast collagenase inhibitor, Collagenase inhibitor, Tissue inhibitor of metalloproteinases 1, TIMP-1, TIMP1, CLGI, TIMP

23171

#### **Dilution**

WB~~1:1000 E~~N/A

#### **Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

## **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

TIMP1 (aa129-143) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

# TIMP1 (aa129-143) Antibody (internal region) - Protein Information

Name TIMP1

Synonyms CLGI, TIMP

## **Function**



Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.

**Cellular Location** Secreted

#### **Tissue Location**

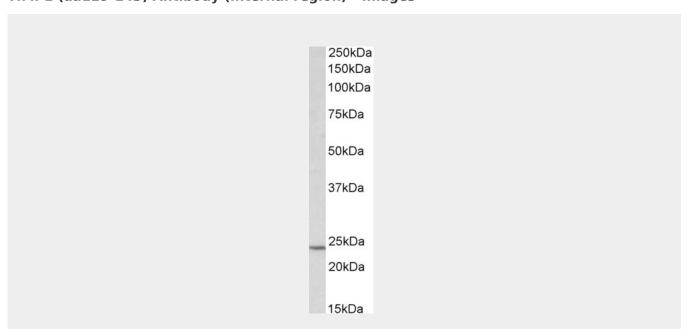
Detected in rheumatoid synovial fluid (at protein level).

## TIMP1 (aa129-143) Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

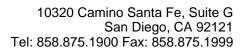
## TIMP1 (aa129-143) Antibody (internal region) - Images



AF3664a (0.1  $\mu$ g/ml) staining of Human Kidney lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

# TIMP1 (aa129-143) Antibody (internal region) - References

Generation of antibodies recognizing an aberrant glycoform of human tissue inhibitor of metalloproteinase-1 (TIMP-1) using decoy immunization and phage display. Ahn HJ, Kim YS, Lee CH,





Cho EW, Yoo HS, Kim SH, Ko JH, Kim SJ. Biotechnol. 2011 Jan 20;151(2):225-30. PMID: 21167221