

## Basic Information

Product Name	Anti-TIMP1 Antibody
Gene Name	TIMP1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human TIMP1 recombinant protein (Position: C24-A207).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	23-28 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

## Storage

12 months from date of receipt, -20°C as supplied.

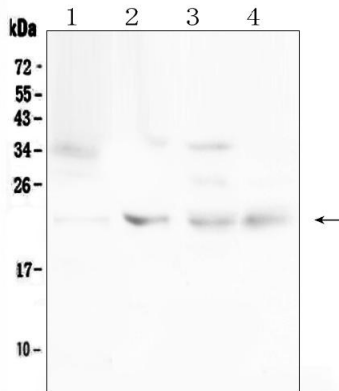
## Background Information

TIMP metalloproteinase inhibitor 1, also known as TIMP1, a tissue inhibitor of metalloproteinases, is a glycoprotein that is expressed from the several tissues of organisms. This protein is a member of the TIMP family. The glycoprotein is a natural inhibitor of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. TIMP was found to be located about 22 cM proximal to OTC (300461).

## Reference

Anti-TIMP1 Antibody被引用在34文献中。

## Selected Validation Data



Western blot analysis of TIMP1 using anti-TIMP1 antibody (A00561). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: rat ovary tissue lysates,

Lane 3: rat lung tissue lysates,

Lane 4: mouse ovary tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TIMP1 antigen affinity purified polyclonal antibody (A00561) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TIMP1 at approximately 23-28 kDa. The expected band size for TIMP1 is at 23 kDa.