

# Timp-3 Polyclonal antibody

Catalog Number: 31652-1-AP

## Basic Information

**Catalog Number:**

31652-1-AP

**Concentration:**

600 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG34657

**GenBank Accession Number:**

BC014277

**GeneID (NCBI):**

7078

**UNIPROT ID:**

P35625

**Full Name:**

TIMP metalloproteinase inhibitor 3

**Calculated MW:**

24 kDa

**Observed MW:**

20-30 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB: 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : human placenta tissue,

## Background Information

Timp-3 (TIMP metalloproteinase inhibitor 3), also known as SFD. It is expected to be located in extracellular space, and the protein is enriched in the placenta tissue and fat tissue. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation, and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. TIMP-3 is expressed as an unglycosylated 24 kDa and glycosylated 29 kDa protein with inhibitory activity against interstitial collagenase, stromelysin-1, and gelatinases A and B (PMID:11827795).

## Storage

**Storage:**

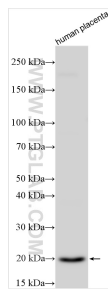
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31652-1-AP (Timp-3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.