

For Research Use Only

# Timp-3 Polyclonal antibody

Catalog Number: 10858-1-AP

Featured Product

27 Publications



## Basic Information

### Catalog Number:

10858-1-AP

### Size:

350 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1253

### 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

IHC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : human placenta tissue, mouse brain tissue, rat brain tissue

IHC : human stomach tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Satoshi Furukawa	28190929	J Toxicol Pathol	IHC
Fan Lai	34781961	BMC Musculoskelet Disord	
Zhao Li	34093812	J Cancer	

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

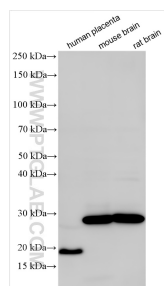
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

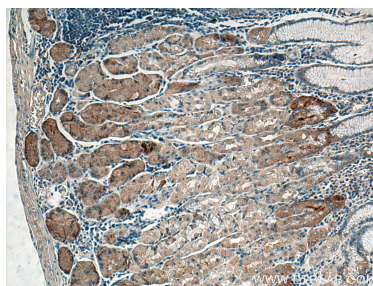
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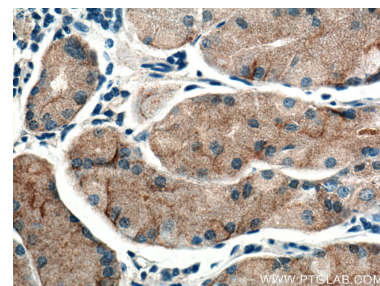
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10858-1-AP (Timp-3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10858-1-AP (Timp-3 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10858-1-AP (Timp-3 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).