

# TIMP2 Rabbit Polyclonal Antibody



CAB16439

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

22kDa

### Calculated MW:

24kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix.

## Immunogen information

### Gene ID:

7077

### Uniprot

P16035

### Synonyms:

TIMP2; CSC-21K; DDC8

### Immunogen:

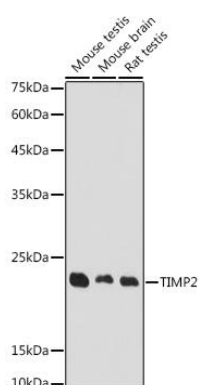
A synthetic peptide corresponding to a sequence within amino acids 100-200 of human TIMP2 (NP\_003246.1).

### Storage:

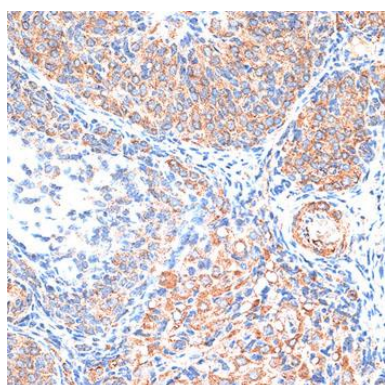
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

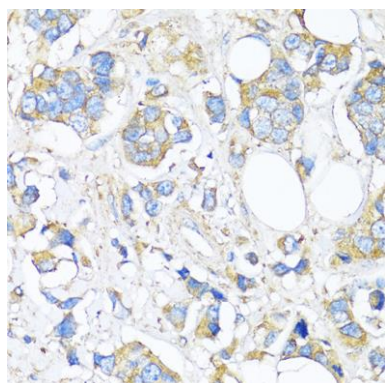
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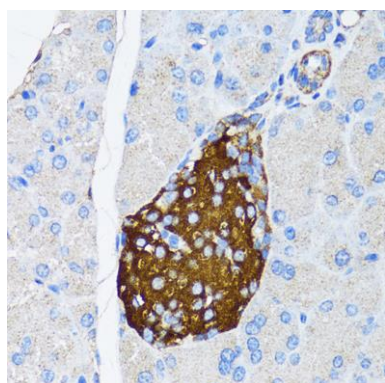
Western blot analysis of extracts of various cell lines, using TIMP2 antibody (CAB16439) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded Rat ovary using TIMP2 antibody (CAB16439) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human breast cancer using TIMP2 antibody (CAB16439) at dilution of 1:150 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse pancreatic islet using TIMP2 antibody (CAB16439) at dilution of 1:150 (40x lens).