

For Research Use Only

# TIMP-4 Polyclonal antibody

Catalog Number: 12326-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 12326-1-AP	<b>GenBank Accession Number:</b> BC010553	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7079	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> TIMP metalloproteinase inhibitor 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 224 aa, 26 kDa	
<b>Immunogen Catalog Number:</b> AG2927	<b>Observed MW:</b> 30 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, WB

### Species Specificity:

human

### Cited Species:

human, mouse

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

### Positive Controls:

**WB** : fetal human brain tissue, BxPC-3 cells, HT-1080 cells, human heart tissue

**IHC** : human gliomas tissue, human heart tissue

**IF** : MCF-7 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Xiao He	30219235	Biochem Biophys Res Commun	WB
Henrique Bregolin Dias	31509566	PLoS One	WB
Xiaoxiao He	32685465	Biomed Res Int	WB

## 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

**\*\*\* 20ul sizes contain 0.1% BSA**

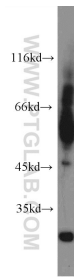
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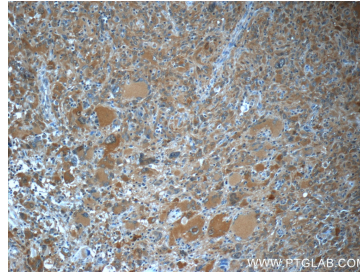
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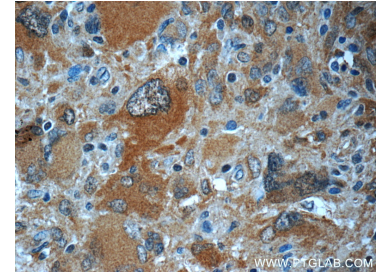
## Selected Validation Data



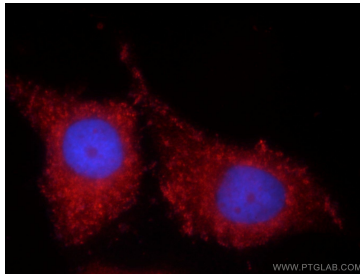
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 12326-1-AP (TIMP-4 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12326-1-AP (TIMP-4 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12326-1-AP (TIMP-4 antibody at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells using 12326-1-AP (TIMP-4 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.