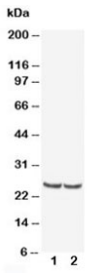
TIMP4 Antibody (R30262)

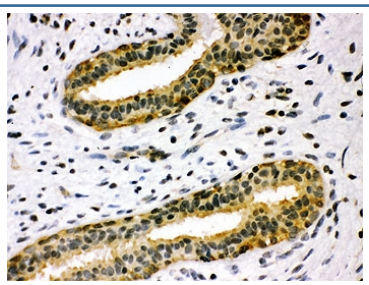
Catalog No.	Formulation	Size
R30262	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

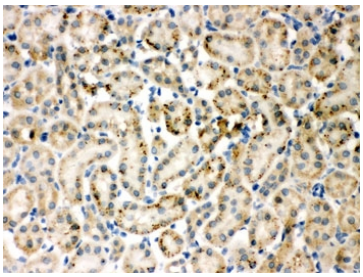
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
UniProt	Q99727
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml
Limitations	This TIMP4 antibody is available for research use only.



Western blot testing of TIMP4 antibody and Lane 1: rat kidney; 2: human MCF-7; Predicted/observed molecular weight: ~25 kDa.



IHC-P testing of TIMP4 antibody and human breast cancer tissue. HIER: steamed with pH6 citrate buffer.



IHC-P testing of TIMP4 antibody and rat kidney tissue. HIER: steamed with pH6 citrate buffer.

Description

The tissue inhibitors of metalloproteinases (TIMPs) inhibit matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. The TIMP4 gene contains 5 exons that span 6 kb of genomic DNA. The gene is expressed as a 1.4-kb transcript abundant in heart and present at low levels in several other tissues. expressed TIMP4 inhibits MMPs in vitro. TIMP4 binds both progelatinase A and the C domain in a similar manner to that of TIMP-2.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TIMP4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 208-224 (YRGHLPLRKEFVDIVQP-human) were used as the immunogen for this TIMP4 antibody.

Storage

Store the TIMP4 antibody at -20oC.

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