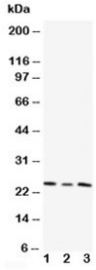
TIMP4 Antibody (R30263)

Catalog No.	Formulation	Size
R30263	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q99727
Localization	Secreted
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (human protein tested); request BSA free format for coating
Limitations	This TIMP4 antibody is available for research use only.



Western blot testing of TIMP4 antibody and Lane 1: HT1080; 2: HeLa; 3: SMMC-7721 cell lysate. Predicted/observed molecular weight: ~25 kDa.

Description

The tissue inhibitors of metalloproteinases (TIMPs) inhibit matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. 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 gene is mapped to chromosome 3p25. TIMP-4 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

An amino acid sequence from the C-terminus of human TIMP4 (RGHLPLRKEFVDIVQP) was used as the immunogen for this TIMP4 antibody.

Storage

After reconstitution, the TIMP4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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