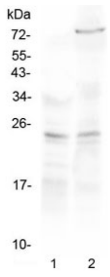
TIMP3 Antibody (R32715)

Catalog No.	Formulation	Size
R32715	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
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P35625
Applications	WB: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (human protein tested; request BSA-free format for coating)
Limitations	This TIMP3 antibody is available for research use only.



Western blot testing of 1) rat kidney and 2) mouse NIH3T3 lysate with TIMP3 antibody at 0.5ug/ml. Predicted molecular weight ~24 kDa (unmodified) and ~33 kDa (glycosylated).

Description

Metalloproteinase inhibitor 3 is a protein that in humans is encoded by the TIMP3 gene. It is mapped to 22q12.1-q13.2. This gene belongs to the tissue inhibitor of metalloproteinases gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of theextracellular 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.

Application Notes

Optimal dilution of the TIMP3 antibody should be determined by the researcher.

Immunogen

Amino acids 107-141 (RVYDGKMYTGLCNFVERWDQLTLSQRKGLNYRYHL) from the human protein were used as the immunogen for the TIMP3 antibody.

Storage

After reconstitution, the TIMP3 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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