

Anti-TIMP3(Metalloproteinase inhibitor 3) Polyclonal Antibody

Cat. #: 60B901

Description:

TIMP3(Metalloproteinase inhibitor 3) complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them. TIMP3 may form part of a tissue-specific acute response to remodeling stimuli. TIMP3 is known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15. Defects in TIMP3 are the cause of Sorsby's fundus dystrophy (SFD). SFD is a rare autosomal dominant macular disorder with an age of onset in the fourth decade. It is characterized by loss of central vision from subretinal neovascularization and atrophy of the ocular tissues.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of African clawed frog TIMP3(Metalloproteinase inhibitor 3 precursor)

References

Yang,M. and Kurkinen,M., Gene 211 (1), 95-100 (1998)
Uria,J.A., et al, Cancer Res. 54 (8), 2091-2094 (1994)
Silbiger,S.M., et al, Gene 141 (2), 293-297 (1994)
Wick,M., et al, J. Biol. Chem. 269 (29), 18953-18960 (1994)
Ruiz,A., et al, Biochem. Biophys. Res. Commun. 226 (2), 467-474 (1996)

Species: African clawed frog [*Xenopus laevis*], human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)