Polyclonal Anti-Tissue inhibitor of metalloproteinase 3, *TIMP3 (*Sepharose Bead Conjugate)

Catalogue No. PA1077-S

Lot No. 0101112187713

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human. No cross reactivity with other proteins.

Recommended application

(Immunoprecipitation(IP)

Immunogen

A peptide mapping at the C-terminal of human TIMP-3 origin, different to the related rat and mouse sequence by single amino acid.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN_3a_3 preservative.

Storage

Store at 4˚C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

The tissue inhibitors of metalloproteinases (TIMPs) are natural inhibitors of the matrix metalloproteinases, a group of zinc-binding endopeptidases involved in the degradation of the extracellular matrix. The TIMP3 gene is expressed in many tissues, with highest expression in the placenta. TIMP3 encodes a potent angiogenesis inhibitor and is mutated in Sorsby fundus dystrophy, a macular degenerative disease with submacular choroidal neovascularization. TIMP3 gene is mapped to 22q12.1-q13.2. Mutations in TIMP3 cause the autosomal dominant disorder Sorsby's fundus dystrophy (SFD).

REFERENCE

1. Apte, S. S.; Mattei, M.-G.; Olsen, B. R. : Cloning of the cDNA encoding human tissue inhibitor of metalloproteinases-3 (TIMP-3) and mapping of the TIMP3 gene to chromosome 22. Genomics 19: 86-90, 1994. 2. Stohr, H.; Roomp, K.; Felbor, U.; Weber, B. H. F. : Genomic organization of the human tissue inhibitor of metalloproteinases-3 (TIMP3). Genome Res. 5: 483-487, 1995.

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