Polyclonal Anti-Tissue inhibitor of metalloproteinase 4, *TIMP4* (Sepharose Bead Conjugate)

Catalogue No. PA1078-S

Lot No. 03A01

Ig type: rabbit

IgG **Size:** 100µg/vial

Specificity

Human, mouse, rat. No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

A peptide mapping at the C-terminal end of human TIMP-4, different from the related mouse sequence by three amino acids.

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) 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.

REFERENCE

1. Olson, T. M; Hirohata, S.; Ye, J.; Leco, K.; Seldin, M. F.; Apte, S. S. : Cloning of the human tissue inhibitor of metalloproteinase-4 gene (TIMP4) and localization of the TIMP4 and Timp4 gene to human chromosome 3p25 and mouse chromosome 6, respectively. Genomics 51: 148-151, 1998. 2. Bigg, H. F.; Shi, Y. E.; Liu, Y. E.; Steffensen, B.; Overall, C. M. : Specific, high affinity binding of tissue inhibitor of metalloproteinases-4 (TIMP-4) to the COOH-terminal hemopexin-like domain of human gelatinase A. J. Biol. Chem. 272: 15496-15500, 1997

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email:Info@antageneinc.com