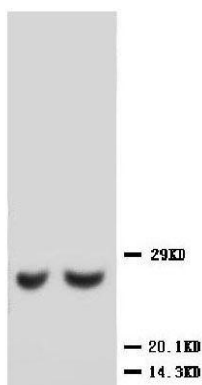




Product Information Sheet

Polyclonal Anti-Tissue inhibitor of metalloproteinase 2, **TIMP2**



Catalogue No. PA1076

Lot No. 03A01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

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

Recommended application

Western blot

Immunogen

A peptide mapping at the C-terminal end of TIMP-2 of human origin, identical to the related rat and mouse sequence

Purity

Immunogen affinity purified.

Application

Western blot

At 1-2µg/ml with the appropriate system to detect TIMP-2 in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 50% glycerol, 0.9mg NaCl, 0.2mg Na₂HPO₄.

Reconstitution

1.2% sodium acetate or neutral PBS. If 0.5ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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BACKGROUND

TIMP2 gene is encoded by 5 exons spanning 83 kb of genomic DNA. TIMP2 is 83 kilobase pairs (kb) long with exon-intron splicing sites located in preserved positions among the three members of the TIMP family. The gene for tissue inhibitor of metalloproteinases-2 is localized on human chromosome arm 17q25. TIMP-2 abrogates angiogenic factor-induced endothelial cell proliferation in vitro and angiogenesis in vivo independent of MMP inhibition.

REFERENCE

1. De Clerck, Y.; Szpirer, C.; Aly, M. S.; Cassiman, J.-J.; Eeckhout, Y.; Rousseau, G. : The gene for tissue inhibitor of metalloproteinases-2 is localized on human chromosome arm 17q25. *Genomics* 14: 782-784, 1992.
2. Hammani, K.; Blakis, A.; Morsette, D.; Bowcock, A. M.; Schmutte, C.; Henriot, P.; DeClerck, Y. A. : Structure and characterization of the human tissue inhibitor of metalloproteinases-2 gene. *J. Biol. Chem.* 271: 25498-25505, 1996.
3. Seo, D.-W.; Li, H.; Guedez, L.; Wingfield, P. T.; Diaz, T.; Salloum, R.; Wei, B.; Stetler-Stevenson, W. G. : TIMP-2 mediated inhibition of angiogenesis: an MMP-independent mechanism. *Cell* 114: 171-180, 2003.