Polyclonal Anti- Tissue factor pathway inhibitor 2, TFPI2 (Sepharose Bead Conjugate)

Catalogue No. PA1248-S

Lot No. 09G01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity
Human. No cross reactivity with other proteins.

Recommended application
(Immunoprecipitation(IP)

Immunogen
A synthetic peptide corresponding to a sequence at the Middle region of human TFPI2, identical to the related rat and mouse sequence.

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

Tissue factor pathway inhibitor 2, also known as TFPI2, is a human gene which is located at 7q22. It is an important regulator of the extrinsic pathway of blood coagulation through its ability to inhibit factor Xa and factor VIIa-tissue factor activity. After a 22-residue signal peptide, the mature TFPI2 protein contains 213 amino acids with 18 cysteines and 2 canonical N-linked glycosylation sites. The purified recombinant TFPI2 strongly inhibited the amidolytic activities of trypsin and the factor VIIa-tissue factor complex.[1] The latter inhibition was markedly enhanced in the presence of heparin. Mouse TFPI2 mRNA is highly expressed in developing mouse placenta, as in human.[2] And there are also high transcript levels in adult mouse liver and kidney.

REFERENCE

1. Sprecher, C. A.; Kisiel, W.; Mathewes, S.; Foster, D. C. : Molecular cloning, expression, and partial characterization of a second human tissue-factor-pathway inhibitor. *Proc. Nat. Acad. Sci.* 91: 3353-3357, 1994.

2. Miyagi, Y.; Yasumitsu, H.; Mizushima, H.; Koshikawa, N.; Matsuda, Y.; Itoh, H.; Hori, T.-A.; Aoki, I.; Misugi, K.; Miyazaki, K. : Cloning of the cDNA encoding mouse PP5/TFPI-2 and mapping of the gene to chromosome 6. *DNA and Cell Biology* 15: 947-954, 1996.

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