Product Information Sheet

Polyclonal Anti- Tissue factor pathway inhibitor 2, TFPI2

Catalogue No. PA1248

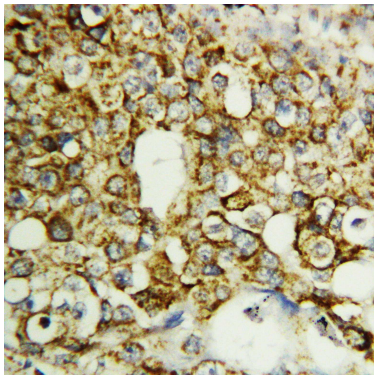
Lot No. 09G01

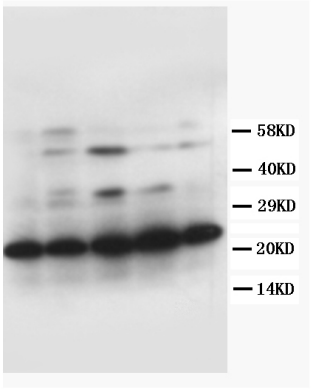
Ig type rabbit IgG

Size 100µg/vial

Specificity
Human
No cross reactivity with other proteins.

Recommended application
Western blot
Immunohistochemistry (P)





Lane 1 : MM453 Whole Cell Lysate
Lane 2 : MM231 Whole Cell Lysate
Lane 3 : Hela Whole Cell Lysate
Lane 4 : HT1080 Whole Cell Lysate
Lane 5 : Jurkat Whole Cell Lysate

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

Purity
Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu	-	-
IHC-P	2µg/ml	Hu	-	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution
0.2ml of distilled water will yield a concentration of 500µg/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:
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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.