

Anti-TFPI2 Antibody

Catalog # ABO10624

Product Information

Application	WB, IHC-P
Primary Accession	P48307
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tissue factor pathway inhibitor 2(TFPI2) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7980
Other Names	Tissue factor pathway inhibitor 2, TFPI-2, Placental protein 5, PP5, TFPI2
Calculated MW	26934
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted.
Tissue Specificity	Umbilical vein endothelial cells, liver, placenta, heart, pancreas, and maternal serum at advanced pregnancy.
Source	Eukaryota
Protein Name	Tissue factor pathway inhibitor 2(TFPI-2)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TFPI2(170-186aa NVTRYFNPRTYRTDAF).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
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 a longer time. Avoid repeated freezing and thawing.

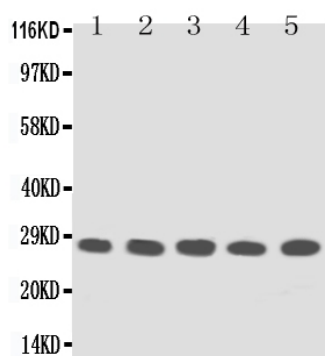
Protein Information

Name	TFPI2
Function	May play a role in the regulation of plasmin-mediated matrix remodeling. Inhibits trypsin, plasmin, factor VIIa/tissue factor and weakly factor Xa. Has no effect on thrombin.
Cellular Location	Secreted.
Tissue Location	Umbilical vein endothelial cells, liver, placenta, heart, pancreas, and maternal serum at advanced pregnancy

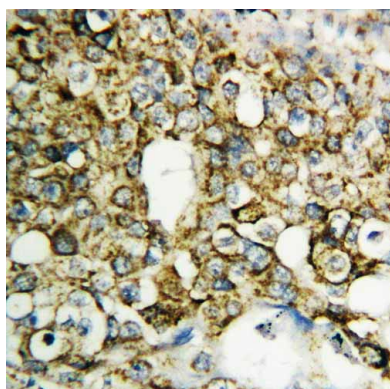
Background

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. The latter inhibition was markedly enhanced in the presence of heparin. Mouse TFPI2 mRNA is highly expressed in developing mouse placenta, as in human. And there are also high transcript levels in adult mouse liver and kidney.

Images



Anti-TFPI2 antibody, ABO10624, Western blotting
Lane 1: MM453 Cell Lysate
Lane 2: MM231 Cell Lysate
Lane 3: HELA Cell Lysate
Lane 4: HT1080 Cell Lysate
Lane 5: JURKAT Cell Lysate



Anti-TFPI2 antibody, ABO10624, IHC(P)
IHC(P): Human Mammary Cancer Tissue