

Anti-TFPI Antibody

Catalog # ABO11107

Product Information

Application	WB, IHC-P
Primary Accession	P10646
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tissue factor pathway inhibitor(TFPI) 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	7035
Other Names	Tissue factor pathway inhibitor, TFPI, Extrinsic pathway inhibitor, EPI, Lipoprotein-associated coagulation inhibitor, LACI, TFPI, LACI, TFPI1
Calculated MW	35015
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	Isoform Alpha: Secreted.
Tissue Specificity	Mostly in endothelial cells.
Source	Eukaryota
Protein Name	Tissue factor pathway inhibitor
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TFPI(261-280aa QECLRACKKGFIQRISKGGL).
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

Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Contains 3 BPTI/Kunitz inhibitor domains.

Protein Information

Name	TFPI
Synonyms	LACI, TFPI1
Function	Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LACI/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma.
Cellular Location	[Isoform Alpha]: Secreted.
Tissue Location	Mostly in endothelial cells.

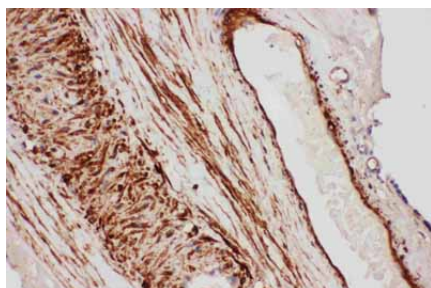
Background

TFPI(Tissue factor pathway inhibitor) also known as EPI, LACI, TFI and TFPT1 is a single-chain polypeptide which can reversibly inhibit Factor Xa(Xa) and Thrombin(Factor IIa). While Xa is inhibited, the Xa-TFPI complex can subsequently also inhibit the FVIIa-tissue factor complex. TFPI contributes significantly to the inhibition of Xa in vivo, despite being present at concentrations of only 2.5 nM. The gene for TFPI is located on chromosome 2q31-q32.1, and has nine exons which span 70 kb. TFPI has a relative molecular mass of 34,000 to 40,000 depending on the degree of proteolysis of the C-terminal region.

Images

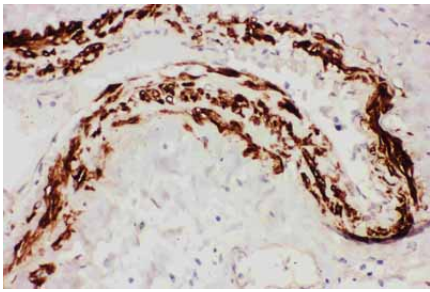


Anti- TFPI antibody, ABO11107, Western blottingAll lanes:
Anti TFPI (ABO11107) at 0.5ug/mlWB: SMMC Whole Cell
Lysate at 40ugPredicted bind size: 26KDObserved bind
size: 55KD



Anti- TFPI antibody, ABO11107, IHC(P)IHC(P): Human
Placenta Tissue

Anti- TFPI antibody, ABO11107, IHC(P)IHC(P): Human
Lung Cancer Tissue



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