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Rabbit Anti-TFPI antibody

SL2535R

Product Name:	TFPI
Chinese Name:	组织因子途径抑制剂抗体
Alias:	Tissue factor pathway inhibitor-1; convertin; EPI; Extrinsic pathway inhibitor; LACI; Lipoprotein associated coagulation inhibitor; TFI; TFPI 1; TFPI1; Tissue factor pathway inhibitor; TFPI1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	32kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TFPI:101-200/304
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	TFPI is a protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. TFPI inhibits the activated factor X and VIIa-TF proteases in an autoregulatory loop. TFPI is glycosylated and

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predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins.

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.

Subcellular Location:
Isoform Alpha: Secreted.
Isoform Beta: Microsome membrane; Lipid-anchor, GPI-anchor.

Tissue Specificity:
Mostly in endothelial cells.

Post-translational modifications:
O-glycosylated.

Similarity:
Contains 3 BPTI/Kunitz inhibitor domains.

SWISS:
P10646

Gene ID:
7035

Database links:

Entrez Gene: 7035Human

Entrez Gene: 21788Mouse

Entrez Gene: 29436Rat

Omim: 152310Human

SwissProt: P10646Human

SwissProt: O54819Mouse

SwissProt: Q02445Rat

Unigene: 516578Human

Unigene: 124316Mouse

Unigene: 447013Mouse

Unigene: 15795Rat

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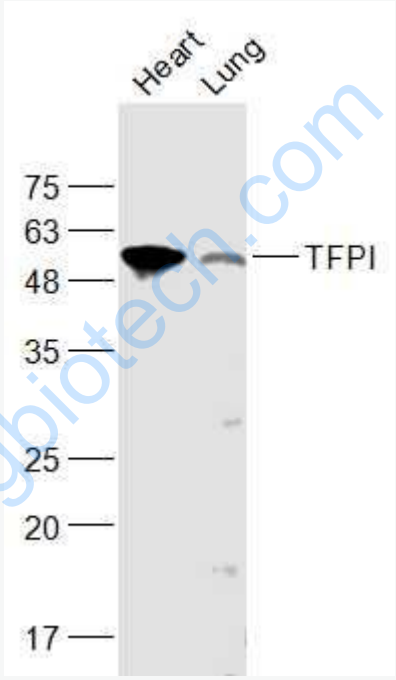
	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 组织因子途径抑制因子(tissue factor pathway in hibitor, TFPI)是组织因子凝血途径的主要抑制因子，组织因子途径抑制因子在诸如动脉粥样硬化，血管再狭窄，弥漫性血管内凝血DIC等方面，有一定的研究价值。
Picture:	 Sample: Heart (Mouse) Lysate at 40 ug Lung (Rat) Lysate at 40 ug Primary: Anti-TFPI (SL2535R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD Observed band size: 52 kD

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