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TFPI Antibody

Catalog # ASC11684

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	P10646
Other Accession	NP_006278, 5454114
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	35015
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TFPI antibody can be used for detection of TFPI by Western blot at 1 - 2 g/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
Target/Specificity	TFPI; TFPI antibody is human, mouse and rat reactive. At least two isoforms of TFPI are known to exist; this antibody will detect both isoforms.
Reconstitution & Storage	TFPI antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	TFPI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

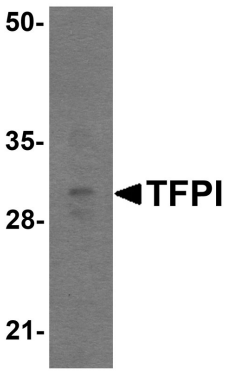
Background

TFPI Antibody: Tissue factor pathway inhibitor (TFPI), also known as lipoprotein-associated coagulation inhibitor, is a protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation (1). TFPI is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. 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 (1).

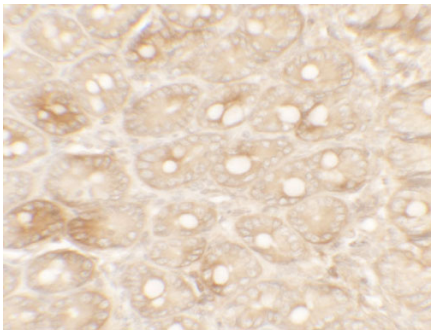
References

Broze GJ Jr and Girard TJ. Tissue factor pathway inhibitor: structure-function. Front. Biosci. 17:262-80.

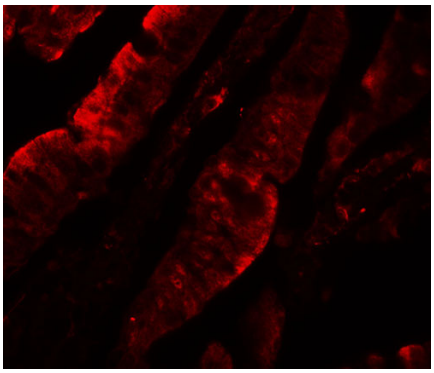
Images



Western blot analysis of TFPI in rat small intestine tissue lysate with TFPI antibody at 1 µg/mL.



Immunohistochemistry of TFPI in rat small intestine tissue with TFPI antibody at 5 µg/mL.



Immunofluorescence of TFPI in rat small intestine tissue with TFPI antibody at 20 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.