

TFPI Antibody
Catalog # ASC11684**Specification**

TFPI Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	P10646
Other Accession	NP_006278 , 5454114
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 33 kDa
Application Notes	Observed: 30 kDa KDa TFPI antibody can be used for detection of TFPI by Western blot at 1 - 2 µg/mL.

TFPI Antibody - Additional Information

Gene ID 7035

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°C for three months and -20°C, stable for up to one year.

Precautions

TFPI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TFPI Antibody - 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

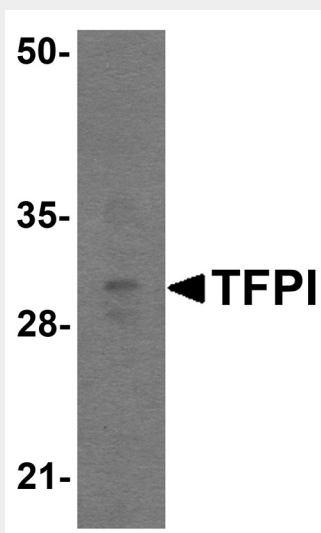
Mostly in endothelial cells.

TFPI Antibody - Protocols

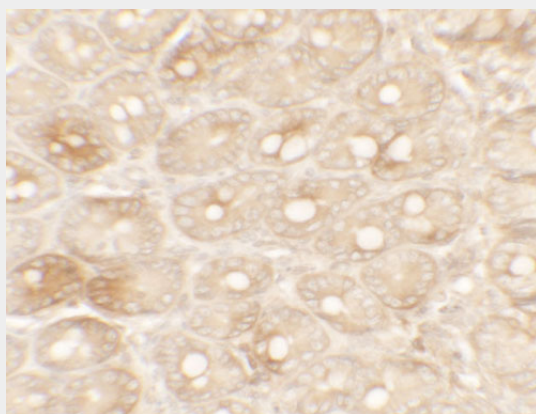
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

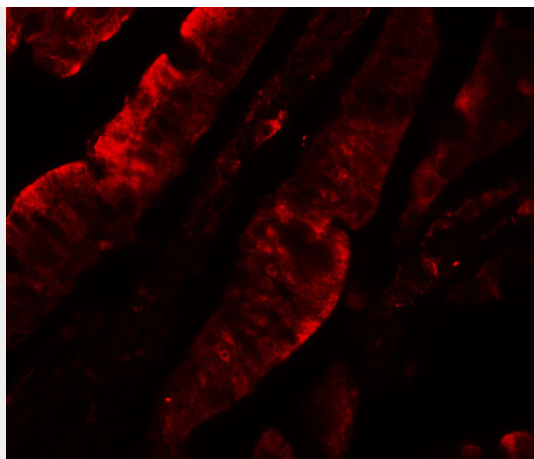
TFPI Antibody - Images



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



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



Immunofluorescence of TFPI in rat small intestine tissue with TFPI antibody at 20 $\mu\text{g/mL}$.

TFPI Antibody - 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).

TFPI Antibody - References

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