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# TFPI Antibody
**Catalog # ASC11684**

## Specification

### TFPI Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC-P, IF, E** |
| Primary Accession | P10646 |
| Other Accession | NP_006278, 5454114 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **IgG** |
| Calculated MW | **Predicted: 33 kDa**<br><br>**Observed: 30 kDa KDa** |
| Application Notes | **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℃ 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.

### 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.

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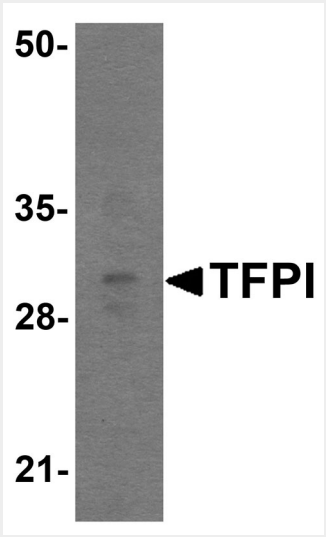
## TFPI Antibody - Protocols

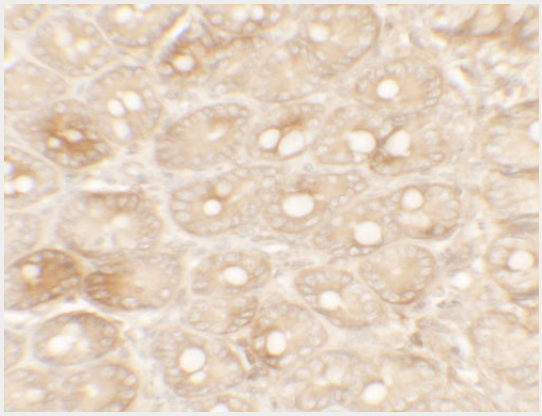
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## TFPI Antibody - 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.

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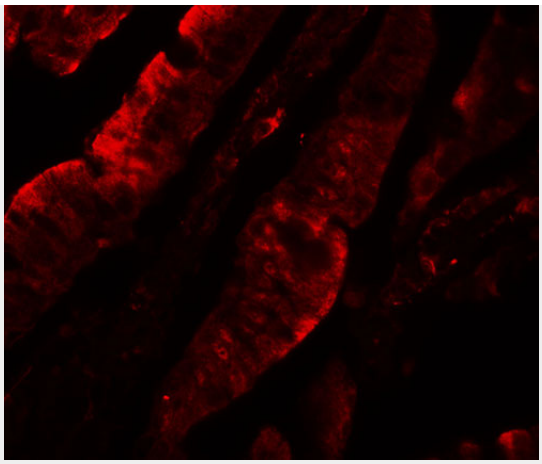

Immunofluorescence of TFPI in rat small intestine tissue with TFPI antibody at 20 µg/mL.

## 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.