

Anti-TFPI Antibody

Catalog Number: A01052-1

About TFPI

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).

Overview

Product Name	Anti-TFPI Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TFPI Antibody (Catalog # A01052-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TFPI Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TFPI antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P10646

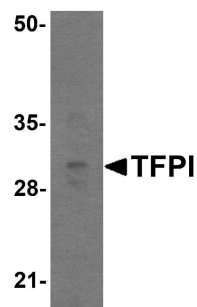
Technical Details

Immunogen	TFPI antibody was raised against a 13 amino acid peptide near the amino terminus of human TFPI. The immunogen is located within amino acids 70 - 120 of TFPI.
Predicted Reactive Species	Rabbit
Cross Reactivity	TFPI antibody is human, mouse and rat reactive. At least two isoforms of TFPI are known to exist; this antibody will detect both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TFPI Antibody is affinity chromatography purified via peptide column.

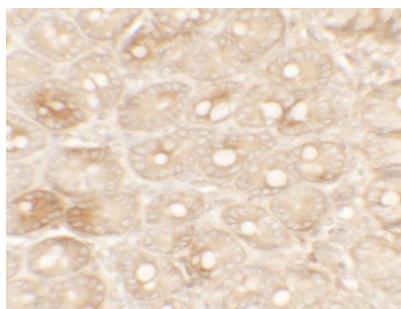
Suggested Dilutions

TFPI antibody can be used for detection of TFPI by Western blot at 1 - 2 ug/mL.
Antibody validated: Western Blot in rat samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

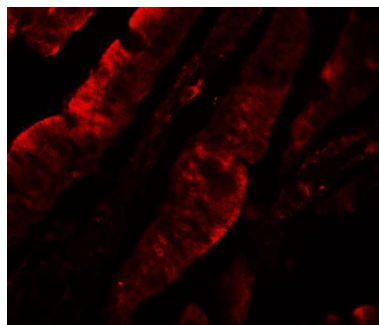
Anti-TFPI Antibody (A01052-1) Images



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



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



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

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Anti-TFPI Antibody

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