



# TFPI Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-04324
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TFPI
<b>Protein Name</b>	Tissue factor pathway inhibitor
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TFPI. AA range:251-300
<b>Specificity</b>	TFPI Polyclonal Antibody detects endogenous levels of TFPI protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TFPI; LACI; TFPI1; Tissue factor pathway inhibitor; TFPI; Extrinsic pathway inhibitor; EPI; Lipoprotein-associated coagulation inhibitor; LACI
<b>Observed Band</b>	34kD
<b>Cell Pathway</b>	[Isoform Alpha]: Secreted.; [Isoform Beta]: Microsome membrane ; Lipid-anchor, GPI-anchor .
<b>Tissue Specificity</b>	Mostly in endothelial cells.
<b>Function</b>	domain:This inhibitor contains three inhibitory domains. The first domain interacts with VIIa and TF, the second one with Xa.,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.,online information:TFPI entry,PTM:O-glycosylated.,similarity:Contains 2 BPTI/Kunitz inhibitor domains.,similarity:Contains 3 BPTI/Kunitz inhibitor domains.,tissue specificity:Mostly in endothelial cells.,
<b>Background</b>	This gene encodes a Kunitz-type serine 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. The product of this gene inhibits the



activated factor X and VIIa-TF proteases in an autoregulatory loop. Inhibition of the encoded protein restores hemostasis in animal models of hemophilia. This gene encodes multiple protein isoforms that differ in their inhibitory activity, specificity and cellular localization. [provided by RefSeq, Jul 2016],

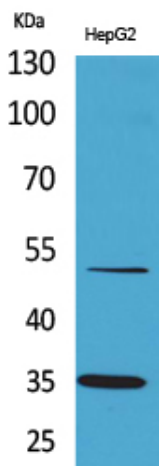
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of HepG2 cells using TFPI Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Western blot analysis of lysate from HepG2 cells, using TFPI Antibody.