Best Tools for immunology Research

TFPI Polyclonal Antibody

Catalog No :	YT5235
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	TFPI
Fields :	>>Complement and coagulation cascades
Gene Name :	TFPI
Protein Name :	Tissue factor pathway inhibitor
Human Gene Id :	7035
Human Swiss Prot No :	P10646
Mouse Swiss Prot No :	O54819
Immunogen :	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TFPI. AA range:251-300
Specificity :	TFPI Polyclonal Antibody detects endogenous levels of TFPI protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 34kD

Cell Pathway : Complement and coagulation cascades;

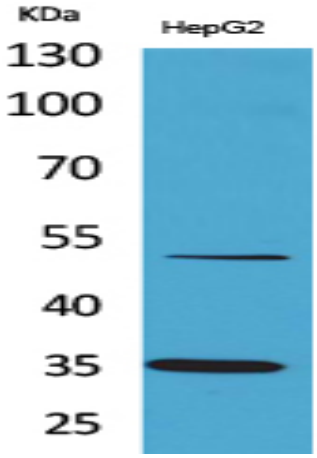
Background : This gene encodes a Kunitz-type serine protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) 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],

Function : 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.,

Subcellular Location : [Isoform Alpha]: Secreted.; [Isoform Beta]: Microsome membrane ; Lipid-anchor, GPI-anchor .

Expression : Mostly in endothelial cells.

Products Images



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