



TFPI Monoclonal Antibody

Catalog No	YP-mAb-04324
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TFPI
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human TFPI. AA range:251-300
Specificity	TFPI Monoclonal Antibody detects endogenous levels of TFPI protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TFPI1;TFI;Lipoprotein-associated coagulation inhibitor;LACI;Extrinsic pathway inhibitor;TFPI;Tissue factor pathway inhibitor;EPI
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	[Isoform Alpha]: Secreted.; [Isoform Beta]: Microsome membrane ; Lipid-anchor, GPI-anchor .
Tissue Specificity	Mostly in endothelial cells.
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.,



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],

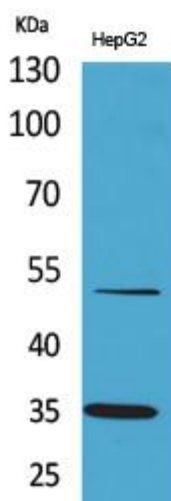
matters needing attention

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 various cells using TFPI Monoclonal Antibody