

Rabbit anti-Human TFPI Monoclonal Antibody | anti-TFPI antibody

Recombinant Anti-TFPI Antibody, Rabbit Monoclonal

CATALOG # AAA255006	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

TFPI; Monoclonal Antibody; Recombinant Anti-TFPI Antibody; Rabbit Monoclonal; TFPI/LACI/EPI Antibody; Rabbit MAb; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); Anti-EPI Antibody; Anti-LACI Antibody; Anti-TFI Antibody; Anti-TFPI1 Antibody; anti-TFPI antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	6
Specificity	Human TFPI/LACI/EPI. No cross-reactivity in ELISA with Mouse TFPI/LACI/EPI, Human TFPI2/PP5, Human Vitronectin/VTN
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TFPI antibody	IP (Immunoprecipitation), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human TFPI Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human TFPI/LACI (rh TFPI).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

TFPI was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate 0.5 uL anti-TFPI rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-TFPI rabbit monoclonal antibody, at 1:1000 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 35 kDa Observed band size: 45 kDa



WB (Western Blot)

Anti-TFPI rabbit monoclonal antibody at 1:500 dilution Lane A: MCF7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 35 kDa Observed band size: 40 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TFPI antibody	Tissue factor pathway inhibitor (TFPI) is the natural inhibitor of TF coagulant and signaling activities. It is a Kunitz-type serine proteinase inhibitor that down-regulates tissue factor-initiated blood coagulation. With its Kunitz domains, TFPI exhibits significant homology with human inter-alpha-trypsin inhibitor and bovin basic pancreatic trypsin inhibitor. TFPI is the natural inhibitor of TF coagulant and signaling activities. The importance of TFPI in the regulation of blood coagulation is emphasized by how its activity is modulated in human disease. In a factor (F) Xa-dependent feedback system, TFPI binds directly and inhibits the TF-FVII/FVIIa complex. Normally, TFPI exists in plasma both as a full-length molecule and as variably carboxy-terminal truncated forms. TFPI also circulates in complex with plasma lipoproteins. The levels and the dual inhibitor effect of TFPI on FXa and TF-FVII/FVIIa complex offers insight into the mechanisms of various pathological conditions triggered by TF. TFPI may play an important role in modulating TF-induced thrombogenesis and it may also provide a unique therapeutic approach for prophylaxis and/or treatment of various diseases. In addition, studies have shown that TFPI exhibits antiangiogenic and antimetastatic effects in vitro and in vivo. In animal models of experimental metastasis, both circulating and tumor cell-associated TFPI are shown to significantly reduce tumor cell-induced coagulation activation and lung metastasis.
Product Categories/Family for anti-TFPI antibody	Serine Proteases and Regulators
References	Lwaleed BA, et al. (2006) Tissue factor pathway inhibitor: structure, biology and involvement in disease. J Pathol. 208(3): 327-39. Amirkhosravi A, et al. (2007) The role of tissue factor pathway inhibitor in tumor growth and metastasis. Semin Thromb Hemost. 33(7): 643-52. Maroney SA, et al. (2008) Expression of tissue factor pathway inhibitor by endothelial cells and platelets. Transfus Apher Sci. 38(1): 9-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5454114
NCBI GeneID	7035
NCBI Accession #	NP_006278.1
NCBI GenBank Nucleotide #	NM_006287.4
UniProt Accession #	P10646 ; O95103 ; Q53TS4
Molecular Weight	28,653 Da
NCBI Official Full Name	tissue factor pathway inhibitor isoform a
NCBI Official Synonym Full Names	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; TFI; LACI; TFPI1
NCBI Protein Information	tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor
UniProt Protein Name	Tissue factor pathway inhibitor
UniProt Gene Name	TFPI
UniProt Synonym Gene Names	LACI; TFPI1; TFPI; EPI; LACI
UniProt Entry Name	TFPI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tfpi-antibody-clone-6-immunoprecipitation-western-blot-elisa/255006>