



Anti-TFPI polyclonal antibody [Biotin] (DPABY-457)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Human TFPI is a physiological inhibitor of the extrinsic pathway of coagulation and functions in anticoagulation and anti-inflammation. It is a secreted protein with an N-terminal acidic region, three Kunitz (K) domains separated by two linker regions, and a C-terminal basic region. The first K domain inhibits coagulation factor VIIa complexed to tissue factor (TF). The second K domain inhibits factor Xa. The third K domain binds to heparin. The C-terminal basic region may have several functions. Human TFPI-2 is structurally similar to TFPI and is downregulated in several cancers.
Specificity	Detects human TFPI in ELISAs and Western blots. In sandwich immunoassays, less than 0.04% cross-reactivity with recombinant mouse (rm)TFPI, recombinant human TFPI-2, and rmTFPI-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TFPI. Asp29-Lys282 Accession Number P10646
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	TFPI tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) [Homo sapiens (human)]
Official Symbol	TFPI
Synonyms	TFPI; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); EPI; TFI; LACI; TFPI1; tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor;
Entrez Gene ID	7035
Protein Refseq	NP_001027452
UniProt ID	P10646
Chromosome Location	2q32
Pathway	Complement and Coagulation Cascades; Complement and coagulation cascades; Extrinsic Pathway; Formation of Fibrin Clot (Clotting Cascade); Hemostasis; Integrated Breast Cancer Pathway; Syndecan-4-mediated signaling events;
Function	endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;