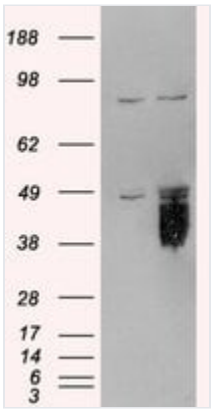
Tissue Factor Pathway Inhibitor (TFPI) Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	Tissue Factor Pathway Inhibitor (TFPI), Polyclonal Antibody
Full Product Name	Goat anti-Tissue Factor Pathway Inhibitor Antibody
Product Gene Name	anti-TFPI antibody
Product Synonym Names	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); TFPI; EPI; LACI; TFI; TFPI1; OTTHUMP00000163472; OTTHUMP00000205431; anti-convertin; extrinsic pathway inhibitor; lipoprotein-associated coagulation inhibitor; tissue factor p; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) antibody; TFPI antibody; EPI antibody; LACI antibody; TFI antibody; TFPI1 antibody; OTTHUMP00000163472 antibody; OTTHUMP00000205431 antibody; anti-convertin antibody; extrinsic pathway inhibitor antibody; lipoprotein-associated coagulation inhibitor antibody; tissue factor pathway inhibitor antibody; Tissue Factor Pathway Inhibitor; Tissue Factor Pathway Inhibitor
Immunogen Sequence	VKIAYEEIFV KNM
Clonality	Polyclonal
Host	Goat
Species Reactivity	Tested: Human; Expected from sequence similarity: Human
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0. 02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Concentration	100ug specific antibody in 200ul (lot specific)
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.
Antibody/Peptide Pairs	Tissue Factor Pathway Inhibitor peptide (MBS426836) is used for blocking the activity of Tissue Factor Pathway Inhibitor antibody (MBS420689)
Molecular Weight	28,653 Da
OMIM	152310
Immunogen	Peptide with sequence C-VKIAYEEIFVKNM, from the C Terminus of the protein sequence according to NP_006278.1.
Epitope	C Terminus
Note	This antibody is expected to recognize isoform a (NP_006278.1) only.
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Applications Tested/Suitable for anti-TFPI antibody	Peptide ELISA (EIA), Western Blot (WB)
Application Notes for anti-TFPI antibody	Peptide ELISA: Antibody detection limit dilution 1: 64000. Western Blot: Approx 50kDa band observed in lysates of cell lines HepG2 and HeLa (calculated MW of 35. 0kDa according to NP_006278.1). In transfected HEK293 transiently expressing TFPI bands of approx.38kDa to 45kDa are observed. These bands are not observed in the non-transfected HEK293. Recommended concentration: 0.3-1ug/ml.
Related Product Information for anti-TFPI antibody	MBS420689 is an antibody targeting TFPI. Also known as Goat anti-Tissue Factor Pathway Inhibitor Antibody. Reactive in Tested: Human; Expected from sequence similarity: Human. Host: Goat.

Other Notes	Small volumes of anti-TFPI antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TFPI antibody
HEK293 overexpressing TFPI (RC219033) and probed (mock transfection in first lane), tested by Origene.



Western Blot (WB) of anti-TFPI antibody
Staining (0.3ug/ml) of Hela lysate (RIPA buffer, 35ug total protein cells per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFPI. It may not necessarily be applicable to this product.

NCBI GI #	5454114
NCBI GeneID	7035
NCBI Accession #	NP_006278.1
UniProt Secondary Accession #	O95103; Q53TS4
UniProt Related Accession #	P10646
GenBank Nucleotide #	NM_006287.4
NCBI Official Full Name	tissue factor pathway inhibitor isoform a
NCBI Official Synonym Full Names	tissue factor pathway inhibitor
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; TFI; LACI; TFPI1
UniProt Protein Name	Tissue factor pathway inhibitor
UniProt Synonym Protein Names	Extrinsic pathway inhibitor; EPI; Lipoprotein-associated coagulation inhibitor; LACI
Protein Family	Tissue factor pathway inhibitor
UniProt Gene Name	TFPI
UniProt Synonym Gene Names	LACI; TFPI1; TFPI; EPI; LACI
UniProt Entry Name	TFPI1_HUMAN
NCBI Protein Information	tissue factor pathway inhibitor
NCBI Summary for TFPI	This gene encodes a 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. The encoded protein is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been confirmed. [provided by RefSeq, Jul 2008]

UniProt Comments for TFPI	TFPI: 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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, GPI anchor; Secreted, signal peptide; Inhibitor; Secreted Chromosomal Location of Human Ortholog: 2q32 Cellular Component: cell surface; endoplasmic reticulum; extracellular region; extracellular space; plasma membrane Molecular Function: endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity Biological Process: blood coagulation; blood coagulation, extrinsic pathway
Research Articles on TFPI	**1.** coagulation system, TFPI play an important role in the pathogenesis of CRSwNP.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-tfpi-human-antibody/tissue-factor-pathway-inhibitor/420689