# TFPI Antibody – Sheep Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | TFPI, Polyclonal Antibody |
| **Full Product Name** | TFPI antibody |
| **Product Gene Name** | anti-TFPI antibody |
| **Product Synonym Names** | Polyclonal TFPI; Anti-TFPI; Tissue Factor Pathway Inhibitor |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Sheep |
| **Form/Format** | Supplied in liquid form in a buffered stabilizer solution containing 50% (v/v) glycerol. |
| **Preparation and Storage** | Store at -10 to -20 degree C. Product will become viscous but will not freeze. Avoid storage in frost-free freezers. Allow product to warm to room temperature and gently mix before use. |
| **Molecular Weight** | 28,653 Da |
| **OMIM** | 152310 |
| **3D Structure** | ModBase 3D Structure for P10646 |
| **Immunogen** | TFPI antibody was raised in sheep using Synthetic peptide corresponding to NH-terminus of human TFPI conjugated to carrier as the immunogen. |
| **Product Categories/Family for anti-TFPI antibody** | Proteases; Inhibitors; & Enzymes |
| **Applications Tested/Suitable for anti-TFPI antibody** | User optimized |
| **Related Product Information for anti-TFPI antibody** | MBS833672 is an antibody targeting TFPI. Also known as TFPI antibody. Host: Sheep. Sheep polyclonal TFPI antibody |
| **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. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 73760409 |
| **NCBI GeneID** | 7035 |
| **NCBI Accession #** | NP_001027452.1 |
| **UniProt Primary Accession #** | P10646 |
| **UniProt Secondary Accession #** | O95103; Q53TS4 |
| **UniProt Related Accession #** | P10646 |
| **GenBank Nucleotide #** | NM_001032281.2 |
| **NCBI Official Full Name** | tissue factor pathway inhibitor isoform b |

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| **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 |
| **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.<br><br>Protein type: Membrane protein, GPI anchor; Secreted; Secreted, signal peptide; Inhibitor<br><br>Chromosomal Location of Human Ortholog: 2q32<br><br>Cellular Component: extracellular space; cell surface; endoplasmic reticulum; extracellular region; plasma membrane<br><br>Molecular Function: serine-type endopeptidase inhibitor activity; endopeptidase inhibitor activity<br><br>Biological Process: blood coagulation, extrinsic pathway; blood coagulation |
| **Research Articles on TFPI** | **1.** Colon TFPI levels are increased in ulcerative colitis. |
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