

Goat Anti-Tissue Factor Pathway Inhibitor Antibody
Peptide-affinity purified goat antibody
Catalog # AF2093a**Specification**

Goat Anti-Tissue Factor Pathway Inhibitor Antibody - Product Information

Application	WB
Primary Accession	P10646
Other Accession	NP_006278 , 7035
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	35015

Goat Anti-Tissue Factor Pathway Inhibitor Antibody - Additional Information**Gene ID** 7035**Other Names**

Tissue factor pathway inhibitor, TFPI, Extrinsic pathway inhibitor, EPI, Lipoprotein-associated coagulation inhibitor, LACI, TFPI, LACI, TFPI1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Tissue Factor Pathway Inhibitor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Tissue Factor Pathway Inhibitor Antibody - Protein Information**Name** TFPI**Synonyms** LACI, TFPI1**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.

Cellular Location

[Isoform Alpha]: Secreted.

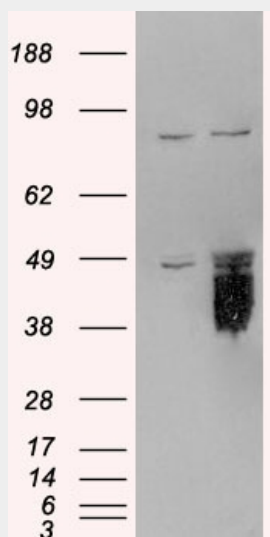
Tissue Location

Mostly in endothelial cells.

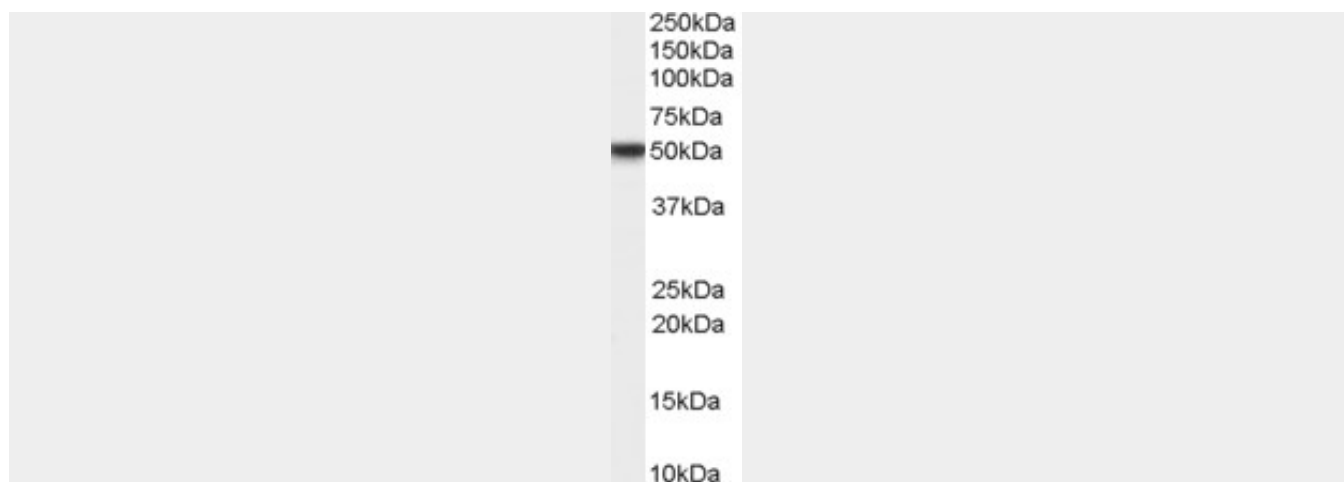
Goat Anti-Tissue Factor Pathway Inhibitor Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Tissue Factor Pathway Inhibitor Antibody - Images

HEK293 overexpressing TFPI (RC219033) and probed with AF2093a (mock transfection in first lane), tested by Origene.



AF2093a staining (0.3 µg/ml) of Hela lysate (RIPA buffer, 35 µg total protein cells per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-Tissue Factor Pathway Inhibitor Antibody - Background

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.

Goat Anti-Tissue Factor Pathway Inhibitor Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Functional characterization of polymorphisms in the human TFPI gene. Skretting G, et al. Biochem Biophys Res Commun, 2010 Jun 18. PMID 20519147.

Tissue factor pathway inhibitor polymorphisms in women with and without a history of venous thrombosis and the effects of postmenopausal hormone therapy. Opstad TB, et al. Blood Coagul Fibrinolysis, 2010 Sep. PMID 20453636.

Gender differences of polymorphisms in the TF and TFPI genes, as related to phenotypes in patients with coronary heart disease and type-2 diabetes. Opstad TB, et al. Thromb J, 2010 May 5. PMID 20444258.

Gene variants associated with venous thrombosis: confirmation in the MEGA study. Arellano AR, et al. J Thromb Haemost, 2010 May. PMID 20128871.