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ARG40989
anti-Tissue Factor Pathway Inhibitor antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Tissue Factor Pathway Inhibitor
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Tissue Factor Pathway Inhibitor
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 261-280 of Human Tissue Factor Pathway Inhibitor (QECLRACKKGFIQRISKGGL).
Conjugation	Un-conjugated
Alternate Names	TFI; Lipoprotein-associated coagulation inhibitor; LACI; EPI; TFPI1; Tissue factor pathway inhibitor; TFPI; Extrinsic pathway inhibitor

Application Instructions

Application table

Application	Dilution
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

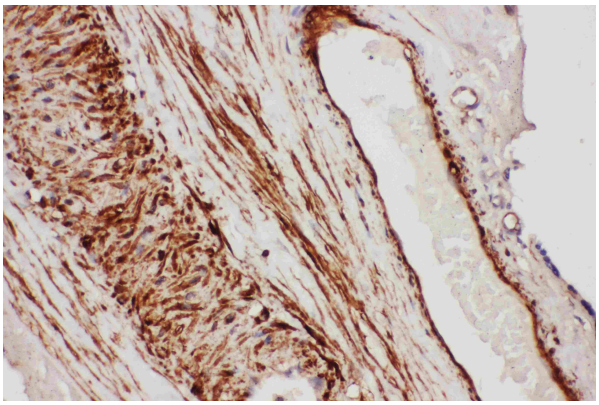
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

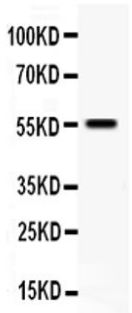
Gene Symbol	TFPI
Gene Full Name	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
Background	This gene encodes a protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor 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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	35 kDa
PTM	O-glycosylated. [UniProt]
Cellular Localization	Isoform Alpha: Secreted. Isoform Beta: Microsome membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



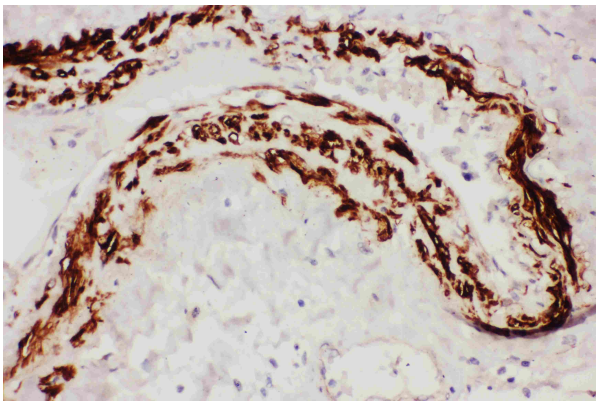
ARG40989 anti-Tissue Factor Pathway Inhibitor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue stained with ARG40989 anti-Tissue Factor Pathway Inhibitor antibody.



ARG40989 anti-Tissue Factor Pathway Inhibitor antibody WB image

Western blot: 40 µg of SMMC-7721 whole cell lysate stained with ARG40989 anti-Tissue Factor Pathway Inhibitor antibody at 0.5 µg/ml dilution.



ARG40989 anti-Tissue Factor Pathway Inhibitor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG40989 anti-Tissue Factor Pathway Inhibitor antibody.