



Rabbit Anti-TFPI-2 antibody

SL23699R

Product Name:	TFPI-2
Chinese Name:	组织因子途径抑制剂-2抗体
Alias:	tissue factor pathway inhibitor 2; TFPI-2; TFPI2; TFPI2_HUMAN; Tissue factor pathway inhibitor 2; Placental protein 5; PP5; TFPI 2; TFPI 2; TFPI2 PEN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TFPI-2:1-100/230
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	TFPI2 may play a role in the regulation of plasmin-mediated matrix remodeling. It inhibits trypsin, plasmin, factor VIIa/tissue factor and weakly factor Xa, but it has no effect on thrombin. TFPI2 is specific to umbilical vein endothelial cells, liver, placenta, heart, pancreas, and maternal serum at advanced pregnancy. This inhibitor contains three inhibitory domains. TFPI2 contains 3 BPTI/Kunitz inhibitor domains.

Function:

May play a role in the regulation of plasmin-mediated matrix remodeling. Inhibits trypsin, plasmin, factor VIIa/tissue factor and weakly factor Xa. Has no effect on thrombin.

Subcellular Location:

Secreted (constituent of proteinaceous extracellular matrix)

Tissue Specificity:

Umbilical vein endothelial cells, liver, placenta, heart, pancreas, and maternal serum at advanced pregnancy.

Similarity:

Contains 3 BPTI/Kunitz inhibitor domains.

SWISS:

P48307

Gene ID:

7980

Database links:

[Entrez Gene: 7980](#)Human

[Omin: 600033](#)Human

[SwissProt: P48307](#)Human

[Unigene: 438231](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

组织因子途径抑制因子(tissue factor pathway inhibitor,

TFPI)是组织因子凝血途径的主要抑制因子,

组织因子途径抑制因子在诸如动脉粥样硬化, 血管再狭窄, 弥漫性血管内凝血DIC等方面, 有一定的研究价值。TFPI-2也称为胎盘蛋白-5(placenta protein

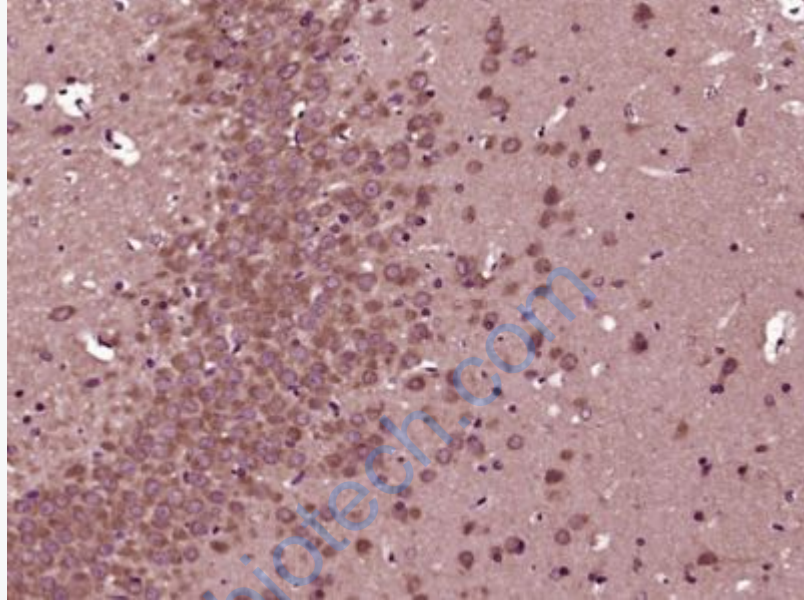
5, PP5)或细胞基质联合丝氨酸蛋白酶抑制物(matrix associated serine protease inhibitor, MSPI)。TFPI-2是相对分子质量为:25KDa的丝氨酸蛋白酶抑制物,

由脉管系统细胞(endothelial

cells、平滑肌细胞、成纤维细胞)合成, 并沉积在这些细胞的Extracellular matrix里。TFPI-

2为广谱丝氨酸蛋白酶抑制剂, 能有效地抑制基质金属蛋白酶(MMP)、纤溶酶、胰

蛋白酶、糜蛋白酶、组织蛋白酶等多种蛋白水解酶的活性, 在维持Extracellular matrix (ECM) 结构完整、抑制Tumour细胞浸润转移方面起着重要作用。TFPI-2分布广泛, 在人肝脏、肾脏、心脏、骨骼肌等正常组织中有着高度表达, 而在Tumour组织中也有一定程度的表达。



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TFPI-2) Polyclonal Antibody, Unconjugated (SL23699R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.