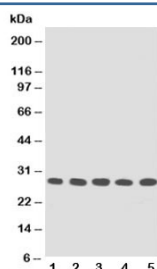


TFPI2 Antibody / Tissue factor pathway inhibitor 2 (R30353)

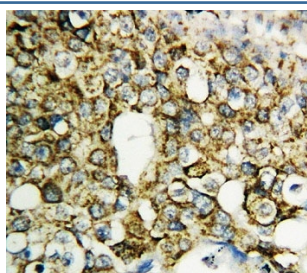
Catalog No.	Formulation	Size
R30353	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P48307
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This TFPI2 antibody is available for research use only.



Western blot testing of TFPI2 antibody and human lysates from Lane 1: MM453; 2: MM231; 3: HeLa; 4: HT1080; 5: Jurkat. Expected molecular weight: ~27 kDa (unmodified), 30-35 kDa (glycosylated).



IHC-P: TFPI2 antibody testing of human breast cancer tissue

Description

Tissue factor pathway inhibitor 2, also known as TFPI2, is a human gene which is located at 7q22. It is an important regulator of the extrinsic pathway of blood coagulation through its ability to inhibit factor Xa and factor VIIa-tissue factor activity. After a 22-residue signal peptide, the mature TFPI2 protein contains 213 amino acids with 18 cysteines and 2 canonical N-linked glycosylation sites. The purified recombinant TFPI2 strongly inhibited the amidolytic activities of trypsin and the factor VIIa-tissue factor complex. The latter inhibition was markedly enhanced in the presence of heparin. Mouse TFPI2 mRNA is highly expressed in developing mouse placenta, as in human. And there are also high transcript levels in adult mouse liver and kidney.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TFPI2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human TFPI2 (NVTRYFNPRTCDAF) was used as the immunogen for this TFPI2 antibody.

Storage

After reconstitution, the TFPI2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.