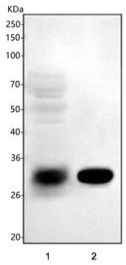
TFPI2 Antibody / Tissue factor pathway inhibitor 2 (RQ8857)

Catalog No.	Formulation	Size
RQ8857	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P48307
Applications	Western blot: 1-2ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This TFPI2 antibody is available for research use only.



Western blot testing of 1) human placenta and 2) RH35 cell lysate with TFPI2 antibody. Expected molecular weight: ~27 kDa (unmodified), 30-35 kDa (glycosylated).

Description

TFPI2 antibody detects Tissue factor pathway inhibitor 2 protein. 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

Optimal dilution of the TFPI2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids E70-Q105) was used as the immunogen for the TFPI2 antibody.

Storage

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

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