

# Anti-TFPI2 Antibody

Catalog # ABO10624

#### Specification

## Anti-TFPI2 Antibody - Product Information

ApplicationWB, IHC-PPrimary AccessionP48307HostRabbitReactivityHumanClonalityPolyclonalFormatLyophilizedDescriptionRabbit IgG polyclonal antibody for Tissue factor pathway inhibitor 2(TFPI2) detection. Tested withWB, IHC-P in Human.

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Anti-TFPI2 Antibody - Additional Information

Gene ID 7980

**Other Names** Tissue factor pathway inhibitor 2, TFPI-2, Placental protein 5, PP5, TFPI2

Calculated MW 26934 MW KDa

**Application Details** Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μg/ml, Human, By Heat<br>Western blot, 0.1-0.5 μg/ml, Human<br>

Subcellular Localization Secreted.

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

**Protein Name** Tissue factor pathway inhibitor 2(TFPI-2)

**Contents** Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human TFPI2(170-186aa NVTRYYFNPRYRTCDAF).



**Purification** Immunogen affinity purified.

**Cross Reactivity** No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

### Anti-TFPI2 Antibody - Protein Information

Name TFPI2

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.

Cellular Location Secreted.

**Tissue Location** 

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

### Anti-TFPI2 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-TFPI2 Antibody - Images





Anti-TFPI2 antibody, ABO10624, Western blottingLane 1: MM453 Cell LysateLane 2: MM231 Cell LysateLane 3: HELA Cell LysateLane 4: HT1080 Cell LysateLane 5: JURKAT Cell Lysate



Anti-TFPI2 antibody, ABO10624, IHC(P)IHC(P): Human Mammary Cancer Tissue

### Anti-TFPI2 Antibody - Background

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.