

## Product datasheet for **AP23391PU-N**

### TFPI2 Rabbit Polyclonal Antibody

#### Product data:

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|------------------------|--|
| Product Type:          | Primary Antibodies   |
| Applications:          | IHC, WB  |
| Recommended Dilution:  | Western blot: 1 µg/ml.<br>Immunohistochemistry on paraffin sections 2 µg/ml.   |
| Reactivity:            | Human  |
| Host:                  | Rabbit   |
| Isotype:               | IgG  |
| Clonality:             | Polyclonal   |
| Immunogen:             | A synthetic peptide corresponding to a sequence at the Middle region of human TFPI2  |
| Specificity:           | This antibody detects TFPI2 (Middle). No cross reactivity with other proteins.   |
| Formulation:           | 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub><br>State: Aff - Purified<br>State: Lyophilized Ig fraction |
| Reconstitution Method: | 0.2ml of distilled water will yield a concentration of 500µg/ml.   |
| Purification:          | Immunogen affinity purified  |
| Conjugation:           | Unconjugated   |
| Storage:               | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.  |
| Stability:             | Shelf life: one year from despatch.  |
| Gene Name:             | tissue factor pathway inhibitor 2  |
| Database Link:         | <a href="#">Entrez Gene 7980 Human P48307</a>  |



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|--------------------------|---|
| <b>Background:</b>       | 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. |
| <b>Synonyms:</b>         | Tissue factor pathway inhibitor 2, TFPI-2, PP5  |
| <b>Protein Families:</b> | Secreted Protein  |