



# TFPI-2 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Catalog No</b>                  | YP-Ab-04309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>                   | TFPI2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from the C-terminal region of human TFPI2. AA range:186-235                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>                 | TFPI-2 Polyclonal Antibody detects endogenous levels of TFPI-2 protein.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                    | TFPI 2;REF1;PP5;Placental protein 5;TFPI-2;TFPI2;Tissue factor pathway inhibitor 2                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Observed Band</b>               | 13kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Calculated Molecular Weight</b> | 13kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cell Pathway</b>                | Secreted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Tissue Specificity</b>          | Umbilical vein endothelial cells, liver, placenta, heart, pancreas, and maternal serum at advanced pregnancy.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>                    | domain:This inhibitor contains three inhibitory 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.,similarity:Contains 2 BPTI/Kunitz inhibitor domains.,similarity:Contains 3 BPTI/Kunitz inhibitor domains.,tissue specificity:Umbilical vein endothelial cells, liver, placenta, heart, pancreas, and maternal serum at advanced pregnancy., |
| <b>Background</b>                  | This gene encodes a member of the Kunitz-type serine proteinase inhibitor family. The protein can inhibit a variety of serine proteases including factor VIIa/ tissue factor, factor Xa, plasmin, trypsin, chymotrypsin and plasma kallikrein.                                                                                                                                                                                                                                               |



This gene has been identified as a tumor suppressor gene in several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012],

**matters needing attention**

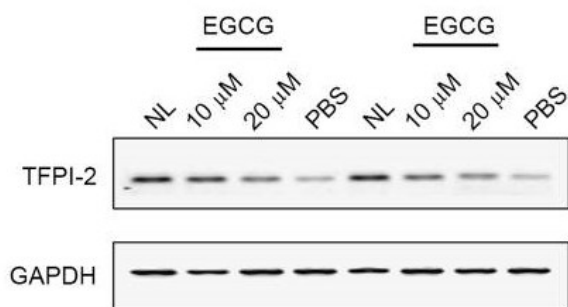
Avoid repeated freezing and thawing!

**Usage suggestions**

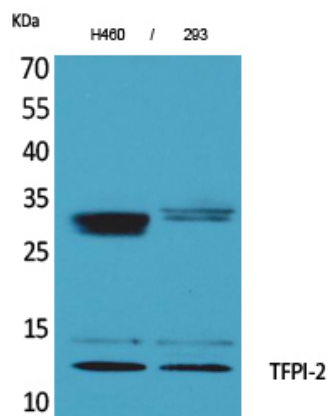
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



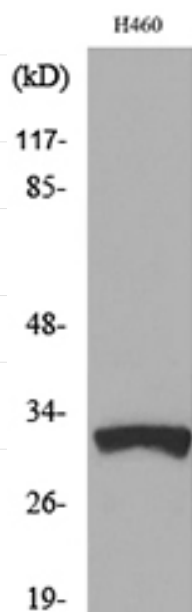
## Products Images



Feng, Chenchen, et al. "Epigallocatechin gallate inhibits the growth and promotes the apoptosis of bladder cancer cells." *Experimental and therapeutic medicine* 14.4 (2017): 3513-3518.



Western blot analysis of H460, 293 cells using TFPI-2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from H460 cells, using TFPI2 Antibody.