

## Product datasheet

### Anti-TFPI2 antibody [EPR14442] ab186747

Recombinant **RabMAb**

[6 References](#) [6 Images](#)

#### Overview

<b>Product name</b>	Anti-TFPI2 antibody [EPR14442]
<b>Description</b>	Rabbit monoclonal [EPR14442] to TFPI2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	IHC-P: Human kidney tissue sections. WB: Jurkat, MCF7, rat spleen, HeLa, mouse heart, mouse brain, mouse kidney and mouse spleen lysates. IP: TFPI2 IP in HeLa cell lysate.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), PBS, 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14442
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab186747 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		1/40 - 1/60.
WB		1/1000 - 1/10000. Detects a band of approximately 32 kDa (predicted molecular weight: 27 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### 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.

### Tissue specificity

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

### Sequence similarities

Contains 3 BPTI/Kunitz inhibitor domains.

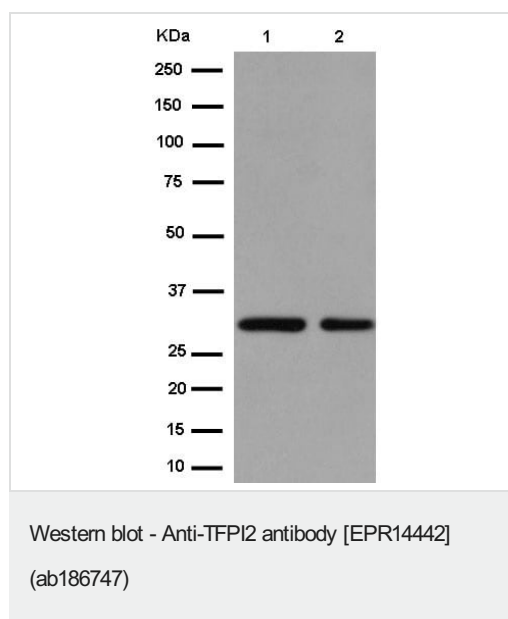
### Domain

This inhibitor contains three inhibitory domains.

### Cellular localization

Secreted.

## Images



**All lanes :** Anti-TFPI2 antibody [EPR14442] (ab186747) at 1/5000 dilution

**Lane 1 :** Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate

**Lane 2 :** MCF7 (Human breast adenocarcinoma cell line) cell lysate

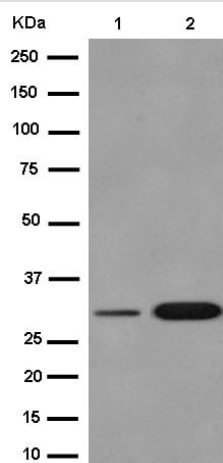
Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 27 kDa

Blocking/ Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-TFPI2 antibody [EPR14442]  
(ab186747)

**All lanes** : Anti-TFPI2 antibody [EPR14442] (ab186747) at  
1/10000 dilution

**Lane 1** : Rat spleen lysate

**Lane 2** : HeLa (Human epithelial cell line from cervix  
adenocarcinoma) cell lysate

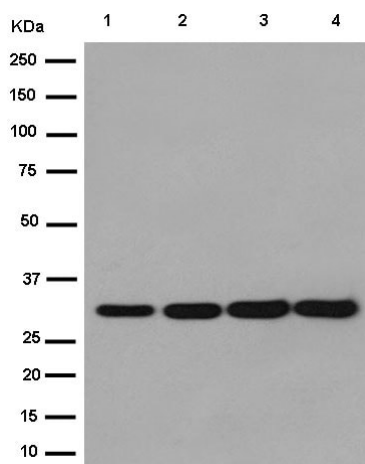
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at  
1/1000 dilution

**Predicted band size:** 27 kDa

Blocking/ Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-TFPI2 antibody [EPR14442]  
(ab186747)

**All lanes** : Anti-TFPI2 antibody [EPR14442] (ab186747) at 1/1000  
dilution

**Lane 1** : Mouse brain lysate

**Lane 2** : Mouse heart lysate

**Lane 3** : Mouse kidney lysate

**Lane 4** : Mouse spleen lysate

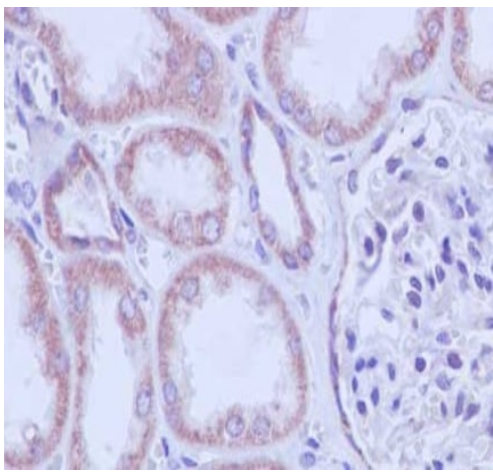
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at  
1/1000 dilution

**Predicted band size:** 27 kDa

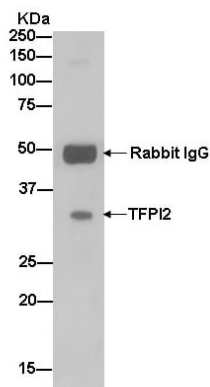
Blocking/ Dilution buffer: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TFPI2 antibody  
[EPR14442] (ab186747)

Immunohistochemical analysis of paraffin embedded human kidney tissue sections labeling TFPI2 using ab186747 at a 1/250 dilution. A prediluted HRP polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-TFPI2 antibody  
[EPR14442] (ab186747)

Lysate from HeLa (Human epithelial cell line from cervix adenocarcinoma) cells was immunoprecipitated with ab186747 at a 1/50 dilution. For the subsequent blot, ab186747 was used at a 1/1000 dilution, with a 1/1000 dilution of Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated as the secondary antibody. Blocking/ Dilution buffer: 5% NFDm/TBST.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TFPI2 antibody [EPR14442] (ab186747)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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