

## Product datasheet

### Anti-TFPI antibody [EPR7941] ab134151

Recombinant RabMAb

[1 References](#) [4 Images](#)

#### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-TFPI antibody [EPR7941]   |
| <b>Description</b>         | Rabbit monoclonal [EPR7941] to TFPI  |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB<br><b>Unsuitable for:</b> ICC/IF or IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Synthetic peptide within Human TFPI aa 250-350 (C terminal). The exact sequence is proprietary.  |
| <b>Positive control</b>    | WB: HepG2, U87-MG and Caco-2 cell lysates and human placenta tissue 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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA    |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |

Clone number                      EPR7941

Isotype                                IgG

## Applications

**The Abpromise guarantee**                      Our **Abpromise guarantee** covers the use of ab134151 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   |
|-------------|-----------|---|
| WB          |           | 1/1000 - 1/10000. Predicted molecular weight: 35 kDa. |

**Application notes**                                Is unsuitable for ICC/IF or IHC-P.

## Target

**Function**    Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LAC/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma.

**Tissue specificity**                                Mostly in endothelial cells.

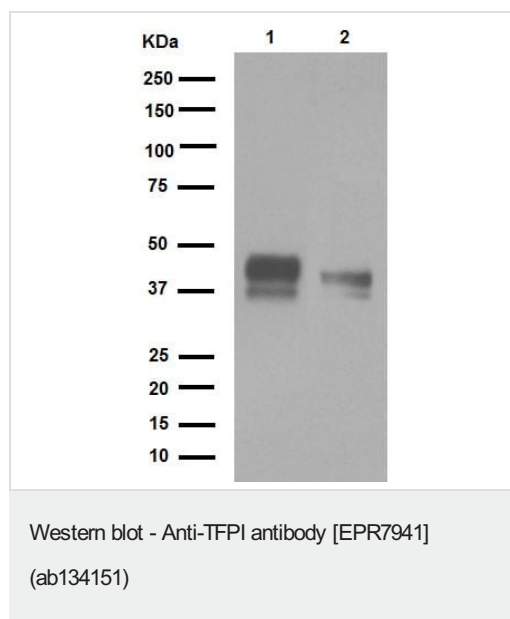
**Sequence similarities**                            Contains 3 BPTI/Kunitz inhibitor domains.

**Domain**    This inhibitor contains three inhibitory domains. The first domain interacts with VIIa and TF, the second one with Xa.

**Post-translational modifications**            O-glycosylated.

**Cellular localization**                            Secreted.

## Images



**All lanes** : Anti-TFPI antibody [EPR7941] (ab134151) at 1/2000 dilution (purified)

**Lane 1** : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

**Lane 2** : Human placenta tissue lysate

Lysates/proteins at 20 µg per lane.

### Secondary

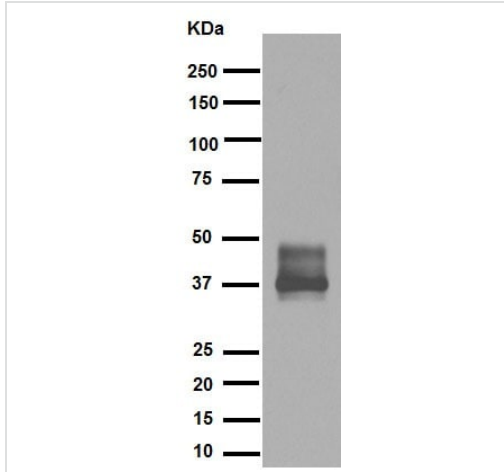
**All lanes** : HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 40-45 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-TFPI antibody [EPR7941]  
(ab134151)

Anti-TFPI antibody [EPR7941] (ab134151) at 1/10000 dilution  
(purified) + HepG2 cell lysate at 20 µg

#### Secondary

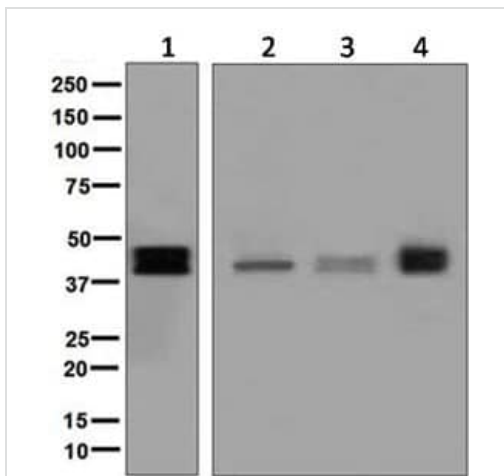
HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of  
IgG at 1/1000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 40-45 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-TFPI antibody [EPR7941]  
(ab134151)

**All lanes :** Anti-TFPI antibody [EPR7941] (ab134151) at 1/1000  
dilution (unpurified)

**Lane 1 :** HepG2 cell lysate

**Lane 2 :** U87-MG cell lysate

**Lane 3 :** Caco-2 cell lysate

**Lane 4 :** Human placenta tissue lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

**Predicted band size:** 35 kDa

### 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-TFPI antibody [EPR7941] (ab134151)

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

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