

## Product datasheet

### Anti-Tissue Factor antibody [EPR22548-240] $\alpha$ b252918

KO VALIDATED

Recombinant

RabMAb

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

#### Overview

<b>Product name</b>	Anti-Tissue Factor antibody [EPR22548-240]
<b>Description</b>	Rabbit monoclonal [EPR22548-240] to Tissue Factor
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, mIHC <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HAP1, A431, MDA-MB-231 and BxPC-3 whole cell lysates; human brain cell, heart cell and fetal kidney cell lysates. IHC-P: Human kidney and cervix carcinoma tissue. mIHC-P: Human kidney tissue.
<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>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22548-240

IsotypeIgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab252918 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

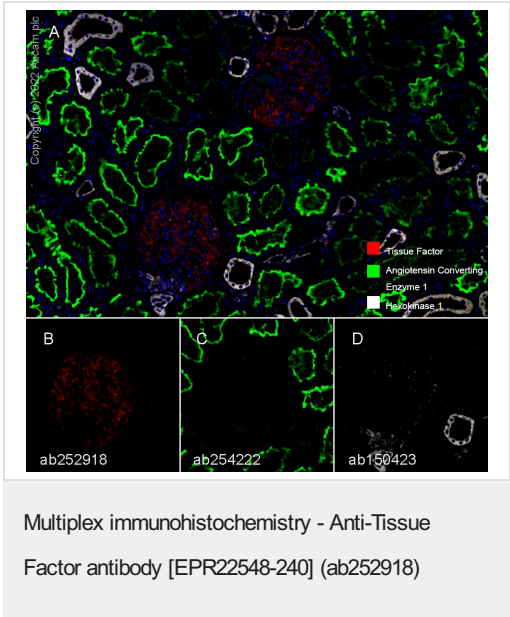
Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 47 kDa (predicted molecular weight: 33 kDa).
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
mlHC		1/2000.

Application notesIs unsuitable for Flow Cyt,ICC/IF or IP.

Target

Function	Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited protolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.
Sequence similarities	Belongs to the tissue factor family.
Cellular localization	Membrane.

Images



Fluorescence multiplex immunohistochemical analysis of paraffin-embedded Human kidney tissue.

Panel A: Merged staining of anti-Hexokinase 1 (gray; Opal™690), anti-Angiotensin Converting Enzyme 1 (green; Opal™520) and anti-Tissue Factor (red; Opal™570) on human kidney.

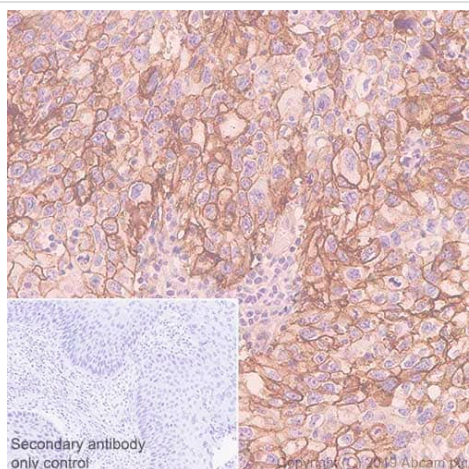
Panel B: Anti-Tissue Factor stained on renal glomeruli.

Panel C: Anti-Angiotensin Converting Enzyme 1 stained on proximal tubules.

Panel D: Anti-Hexokinase 1 stained on distal tubules.

The section was incubated in three rounds of staining: in the order of **ab150423**, **ab254222**, and ab252918 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system. The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an

Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins. Counterstained with DAPI.



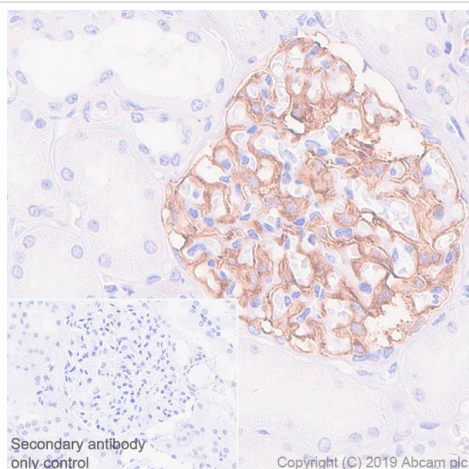
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Factor antibody [EPR22548-240] (ab252918)

Immunohistochemical analysis of paraffin-embedded human cervix carcinoma tissue labeling Tissue Factor with ab252918 at 1/2000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Membranous and weak cytoplasmic staining on tumor cells of human cervix carcinoma (PMID: 26383146) is observed. Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 minutes.

The section was incubated with ab252918 for 30 minutes at RT.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Factor antibody [EPR22548-240] (ab252918)

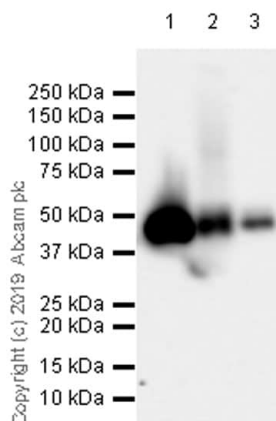
Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling Tissue Factor with ab252918 at 1/2000 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human renal glomerulus (PMID: 7684196) is observed. Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 minutes.

The section was incubated with ab252918 for 30 minutes at RT.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.





Western blot - Anti-Tissue Factor antibody  
[EPR22548-240] (ab252918)

**All lanes :** Anti-Tissue Factor antibody [EPR22548-240]  
(ab252918) at 1/1000 dilution

**Lane 1 :** Human brain cell lysate

**Lane 2 :** Human heart cell lysate

**Lane 3 :** Human fetal kidney cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at  
1/1000 dilution

**Predicted band size:** 33 kDa

**Observed band size:** 47 kDa

**Exposure time:** 8 seconds

Blocking and 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-Tissue Factor antibody [EPR22548-240]  
(ab252918)

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

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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