

## Product datasheet

# Anti-Tissue Factor antibody [EPR8986] ab151748

Recombinant RabMAb

★★★★☆ 5 Abreviews 10 References 7 Images

### Overview

<b>Product name</b>	Anti-Tissue Factor antibody [EPR8986]
<b>Description</b>	Rabbit monoclonal [EPR8986] to Tissue Factor
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Tissue Factor aa 1-100. The exact sequence is proprietary.
<b>Positive control</b>	Fetal brain, SHSY5Y, fetal kidney and U937 lysates; Human pancreas tissue
<b>General notes</b>	<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><b>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</b></p> <p>This product is a <a href="#">recombinant rabbit monoclonal antibody</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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.21% BSA, 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR8986
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab151748** 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: 33 kDa.
IHC-P	★★★★☆	1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. <b>For unpurified use 1/50 - 1/100.</b>
ICC/IF		1/100. <b>For unpurified use at 1/250 - 1/500.</b>

## Target

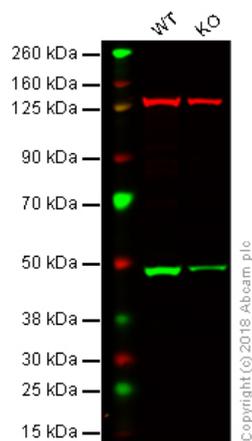
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<b>Function</b>	Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface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

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## Images

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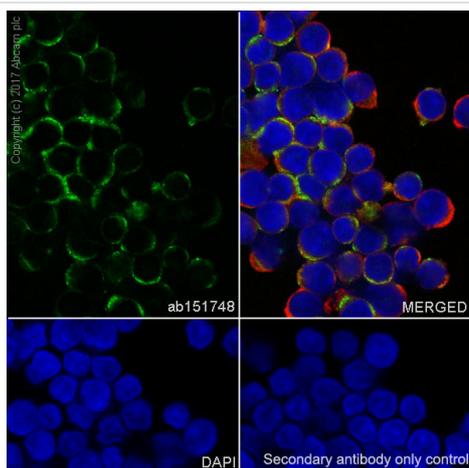
Western blot - Anti-Tissue Factor antibody [EPR8986] (ab151748)

**Lane 1:** Wild-type HAP1 whole cell lysate (40 µg)

**Lane 2:** Tissue Factor knockout HAP1 whole cell lysate (40 µg)

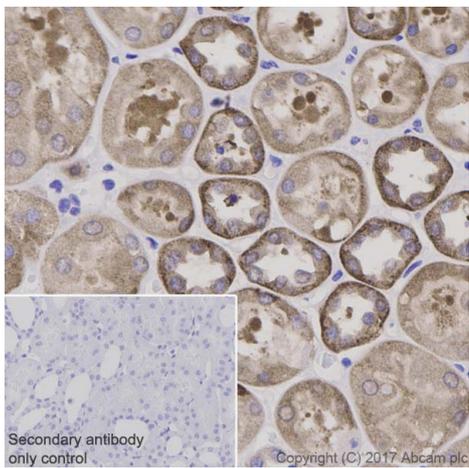
**Lanes 1 - 2:** Merged signal (red and green). Green - ab151748 observed at 49 kDa. Red - loading control, ab18058, observed at 130 kDa.

ab151748 was found to be non-specific when Tissue Factor knockout samples were used. Wild-type and Tissue Factor knockout samples were subjected to SDS-PAGE. Ab151748 and ab18058 (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ab216773 and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ab216776 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



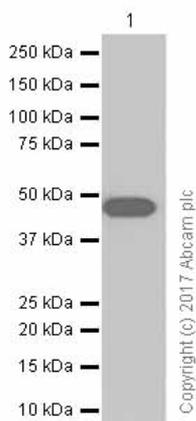
Immunocytochemistry/ Immunofluorescence - Anti-Tissue Factor antibody [EPR8986] (ab151748)

Immunocytochemistry/ Immunofluorescence analysis of U-937 (Human histiocytic lymphoma monocyte) cells labeling Tissue Factor with Purified ab151748 at 1:100 dilution (10<sup>7</sup>g/ml). Cells were fixed in 100% Methanol. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 . ab150077 Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Factor antibody [EPR8986] (ab151748)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human kidney tissue sections labeling Tissue Factor with Purified ab151748 at 1:2000 dilution (0.54 µg/ml). Heat mediated antigen retrieval was performed using citrate Buffer, pH6.0. Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-Tissue Factor antibody [EPR8986] (ab151748)

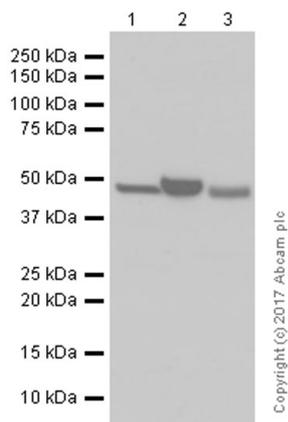
Anti-Tissue Factor antibody [EPR8986] (ab151748) at 1/10000 dilution (purified) + SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates at 15 µg

**Secondary**

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size: 33 kDa**

Blocking and diluting buffer: 5% NFDm/TBST



Western blot - Anti-Tissue Factor antibody  
[EPR8986] (ab151748)

**All lanes :** Anti-Tissue Factor antibody  
[EPR8986] (ab151748) at 1/10000 dilution  
(purified)

**Lane 1 :** U-937 (Human histiocytic lymphoma monocyte) whole cell lysates

**Lane 2 :** Mouse brain lysates

**Lane 3 :** Rat brain lysates

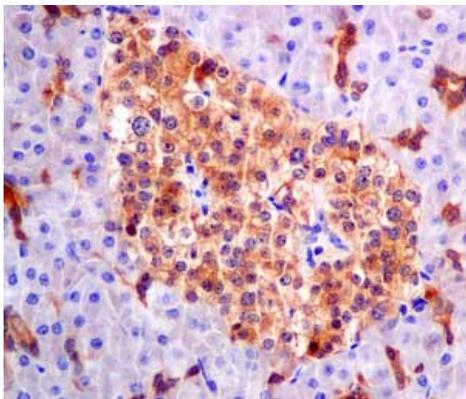
Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP)  
(ab97051) at 1/20000 dilution

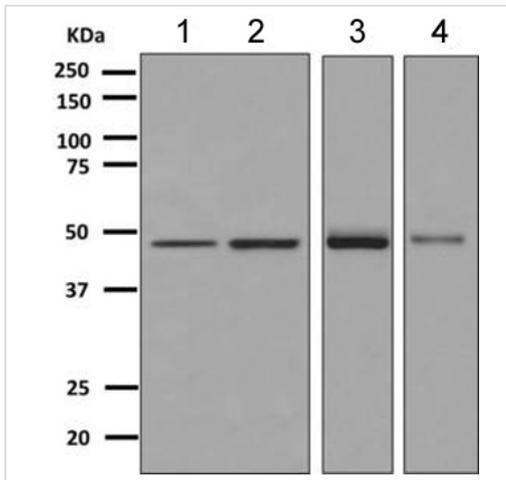
**Predicted band size:** 33 kDa

Blocking and diluting buffer: 5% NFDm/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Factor antibody  
[EPR8986] (ab151748)

Immunohistochemical analysis of paraffin embedded Human pancreas tissue labeling Tissue Factor with unpurified ab151748 at 1/50 dilution.



Western blot - Anti-Tissue Factor antibody  
[EPR8986] (ab151748)

**All lanes :** Anti-Tissue Factor antibody  
[EPR8986] (ab151748) at 1/1000 dilution  
(unpurified)

**Lane 1 :** Fetal brain lysate

**Lane 2 :** SHSY5Y lysate

**Lane 3 :** Fetal kidney lysate

**Lane 4 :** U937 lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled goat anti-rabbit  
antibody at 1/2000 dilution

**Predicted band size:** 33 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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