

# Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free ab254010

敲除验证
重组
RabMAb

1 References 7 图像

### 概述

产品名称	Anti-Tissue Factor抗体[EPR22548-232] - BSA and Azide free
描述	兔单克隆抗体[EPR22548-232] to组织Factor - BSA and Azide free
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF, Flow Cyt, IP
种属反应性	与反应: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human cervix carcinoma and kidney tissue. ICC/IF: A431 cells. Flow Cyt: A431 cells. IP: Tissue Factor IP in A431 whole cell lysate.
常规说明	<p>ab254010 is the carrier-free version of <a href="#">ab228968</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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>

<b>性能</b>	
<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>存储溶液</b>	pH: 7.2 Constituent: PBS
<b>无载体</b>	是
<b>纯度</b>	Protein A purified
<b>克隆</b>	单克隆
<b>克隆编号</b>	EPR22548-232
<b>同种型</b>	IgG

应用

The Abpromise guarantee

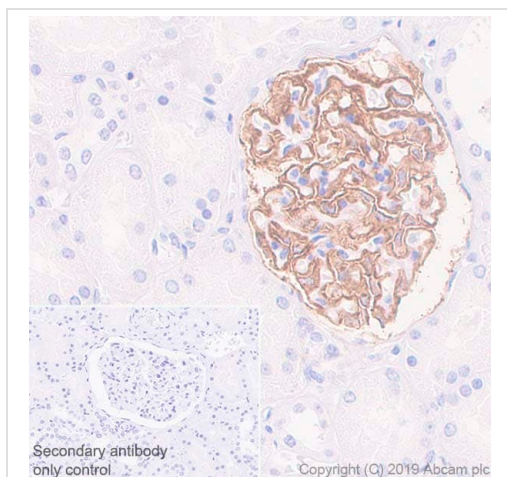
**Abpromise™**承诺保证使用ab254010于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 47 kDa (predicted molecular weight: 33 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

<b>靶标</b>	
<b>功能</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 protolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.
<b>序列相似性</b>	Belongs to the tissue factor family.
<b>细胞定位</b>	Membrane.

图片



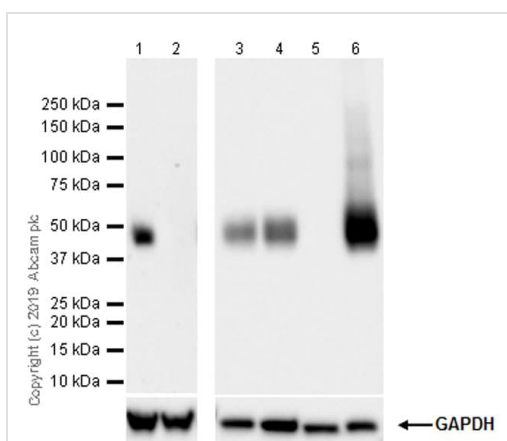
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free (ab254010)

Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling Tissue Factor with **ab228968** at 1/500 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human renal glomerulus (PMID: 7684196). The section was incubated with **ab228968** for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Perform heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab228968**).



Western blot - Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free (ab254010)

#### All lanes :

**Lane 1 :** Wild-type HAP1 whole cell lysate at 60 µg

**Lane 2 :** Tissue Factor knockout HAP1 whole cell lysate at 60 µg

**Lane 3 :** A431 (human epidermoid carcinoma epithelial cell), whole cell lysate at 20 µg

**Lane 4 :** MDA-MB-231 (human breast adenocarcinoma epithelial cell), whole cell lysate at 20 µg

**Lane 5 :** MCF7 (human breast adenocarcinoma epithelial cell), whole cell lysate at 20 µg

**Lane 6 :** BxPC-3 (human pancreas adenocarcinoma epithelial cell), whole cell lysate at 20 µg

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

**Predicted band size:** 33 kDa

**Observed band size:** 47 kDa

**ab228968** was shown to specifically react with Tissue Factor in wild-type HAP1 cells as signal was lost in Tissue Factor knockout cells. Wild-type and Tissue Factor knockout samples were subjected to SDS-PAGE. **ab228968** and **ab181602** (Rabbit anti-

GAPDH loading control) were incubated 1 hour at room temperature at 1/1000 dilution and 1/200,000 dilution respectively. Blots were developed with Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) secondary antibody at 1/100,000 dilution for 1 hour at room temperature before imaging. The blot was developed on a BIO-RAD<sup>®</sup> ChemiDoc<sup>™</sup> MP instrument using the ECL technique.

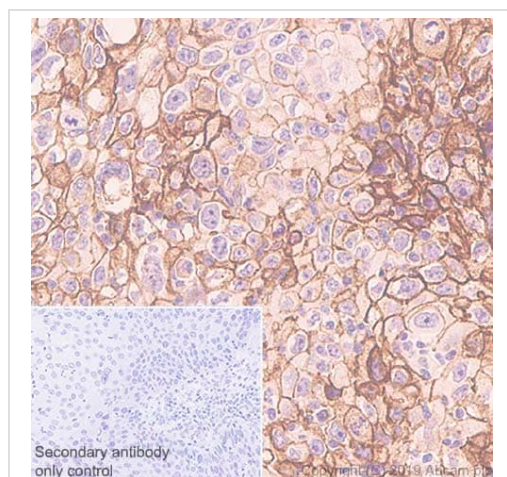
The molecular weight observed is consistent with what has been described in the literature (PMID: 28938620).

**Low expression:** MCF-7 (PMID: 24137414, 28938620).

Exposure times: Lanes 1-2: 70 secs; Lanes 3-6: 3.25 secs.

Blocking/Dilution buffer: 5% NFDm/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab228968](#)).

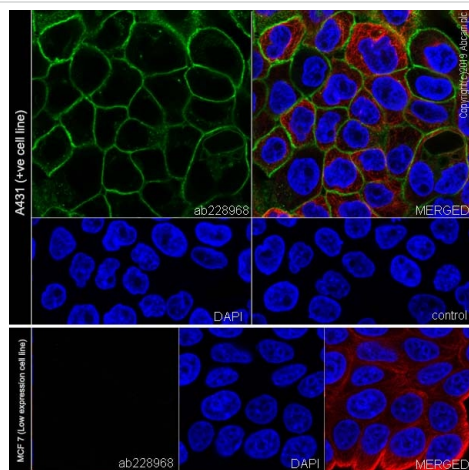


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free ([ab254010](#))

Immunohistochemical analysis of paraffin-embedded human cervix carcinoma tissue labeling Tissue Factor with [ab228968](#) at 1/500 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Membranous and weak cytoplasmic staining on tumor cells of human cervix carcinoma (PMID: 26383146). The section was incubated with [ab228968](#) for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND<sup>®</sup> RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

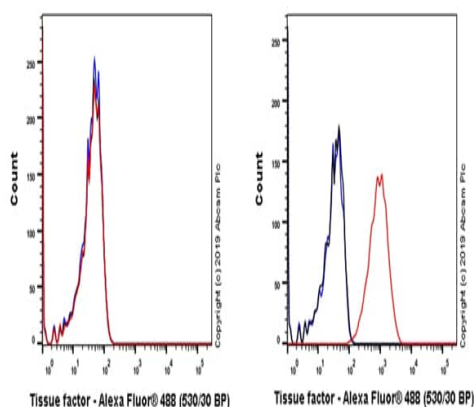
Perform heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20mins.



Immunocytochemistry/ Immunofluorescence - Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free (ab254010)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A431 (human epidermoid carcinoma epithelial cell) and MCF7 ( ) cells labeling Tissue Factor with **ab228968** at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining in A431 cell line. **Low expression:** MCF7 PMID: 24137414, 28938620. The nuclear stain is DAPI (blue). Counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at a 1/200 dilution (red). The negative control is the secondary antibody only.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab228968**).



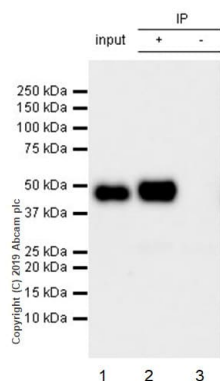
Flow Cytometry - Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free (ab254010)

Flow cytometric analysis of MCF7 (human breast adenocarcinoma epithelial cell, Left) / A431 (human epidermoid carcinoma epithelial cell, Right) labeling Tissue Factor with **ab228968** at 1/500 (red) compared with a Rabbit monoclonal IgG (**ab172730**) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**), at 1/2000 dilution was used as the secondary antibody.

**Low expression:** MCF7 (PMID: 24137414, PMID: 28938620).

Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab228968**).



Immunoprecipitation - Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free (ab254010)

Tissue Factor was immunoprecipitated from 0.35 mg A431 (human epidermoid carcinoma epithelial cell) whole cell lysate with **ab228968** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab228968** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5000 dilution.

**Lane 1:** A431 whole cell lysate 10 µg (Input).

**Lane 2:** **ab228968** IP in A431 whole cell lysate.

**Lane 3:** Rabbit monoclonal IgG (**ab172730**) instead of **ab228968** in A431 whole cell lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 30 seconds.

This data was developed using the same antibody clone in a

different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab228968**).

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Tissue Factor antibody [EPR22548-232] - BSA and Azide free (ab254010)

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

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