

## Product datasheet

### Anti-Trefoil Factor 3 antibody [EPR3973] ab109104

Recombinant **RabMAb**

[1 Abreviews](#) [2 References](#) [4 Images](#)

#### Overview

<b>Product name</b>	Anti-Trefoil Factor 3 antibody [EPR3973]
<b>Description</b>	Rabbit monoclonal [EPR3973] to Trefoil Factor 3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, Flow Cyt (Intra) <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human uterus cancer and colon cancer lysates; Human colon 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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR3973  
**Isotype**                                IgG

## Applications

**The Abpromise guarantee**            Our **Abpromise guarantee** covers the use of ab109104 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

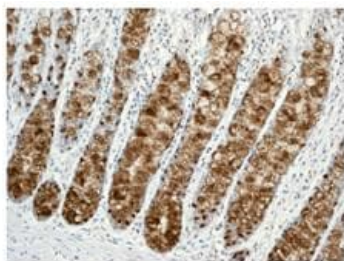
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 9 kDa.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.

**Application notes**                      Is unsuitable for IP.

## Target

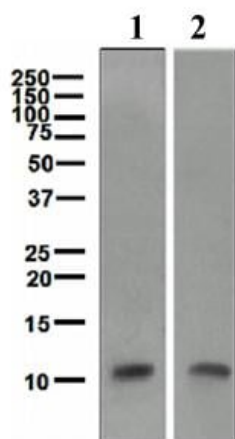
**Function**                                      Involved in the maintenance and repair of the intestinal mucosa. Promotes the mobility of epithelial cells in healing processes (motogen).  
**Tissue specificity**                          Expressed in goblet cells of the intestines and colon (at protein level). Expressed by goblet cells of small and large intestinal epithelia and also by the uterus.  
**Sequence similarities**                      Contains 1 P-type (trefoil) domain.  
**Cellular localization**                      Secreted > extracellular space > extracellular matrix > apical lamina.

## Images



Immunohistochemical analysis of Trefoil Factor 3 in paraffin-embedded Human colon tissue using ab109104 at 1/500 dilution.  
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Trefoil Factor 3 antibody [EPR3973] (ab109104)



Western blot - Anti-Trefoil Factor 3 antibody  
[EPR3973] (ab109104)

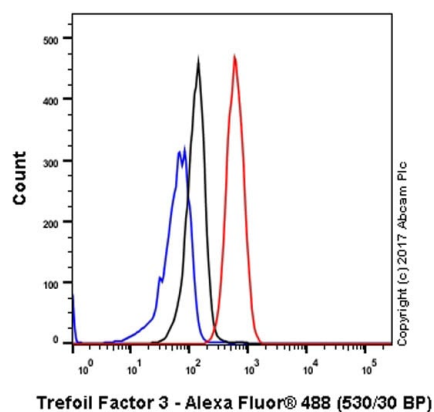
**All lanes** : Anti-Trefoil Factor 3 antibody [EPR3973] (ab109104) at 1/1000 dilution

**Lane 1** : Human uterus cancer lysate

**Lane 2** : Human colon cancer lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 9 kDa



Flow Cytometry (Intracellular) - Anti-Trefoil Factor 3  
antibody [EPR3973] (ab109104)

Intracellular Flow Cytometry analysis of HT-29 (human colorectal adenocarcinoma) cells labeling Trefoil Factor 3 with unpurified ab109104 at 1/100 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.

### 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-Trefoil Factor 3 antibody [EPR3973] (ab109104)

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

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