

### Anti-TMS1/ASC antibody [EPR10403] ab155970

**重组 RabMAb**

**23 References** 6 图像

#### 概述

<b>产品名称</b>	Anti-TMS1/ASC抗体[EPR10403]
<b>描述</b>	兔单克隆抗体[EPR10403] to TMS1/ASC
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt (Intra), WB, ICC/IF <b>不适用于:</b> IHC-P
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Synthetic peptide within Human TMS1/ASC aa 100 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">Q9ULZ3</a>
<b>阳性对照</b>	WB: THP-1 and U937 cell lysates. ICC/IF: HeLa and THP-1 cells. Flow Cyt (intra): THP-1 cells.
<b>常规说明</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at -20°C.
<b>存储溶液</b>	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, PBS
<b>纯度</b>	Protein A purified
<b>克隆</b>	单克隆

克隆编号                      EPR10403  
同种型                         IgG

## 应用

**The Abpromise guarantee**             **Abpromise™**承诺保证使用ab155970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
<b>Flow Cyt (Intra)</b>		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 22 kDa.
<b>ICC/IF</b>		1/100 - 1/250.

应用说明                                      Is unsuitable for IHC-P.

## 靶标

**功能**    Promotes caspase-mediated apoptosis. This proapoptotic activity is mediated predominantly through the activation of caspase-9. May be a component of the inflammasome, a protein complex which also includes NALP2, CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases.

**组织特异性**                                      Widely expressed at low levels. Detected in peripheral blood leukocytes, lung, small intestine, spleen, thymus, colon and at lower levels in placenta, liver and kidney. Very low expression in skeletal muscle, heart and brain. Detected in the leukemia cell lines HL-60 and U937, but not in Jurkat T-cell lymphoma and Daudi Burkitt's lymphoma. Detected in the melanoma cell line WM35, but not in WM793. Not detected in HeLa cervical carcinoma cells and Molt 4 lymphocytic leukemia cells.

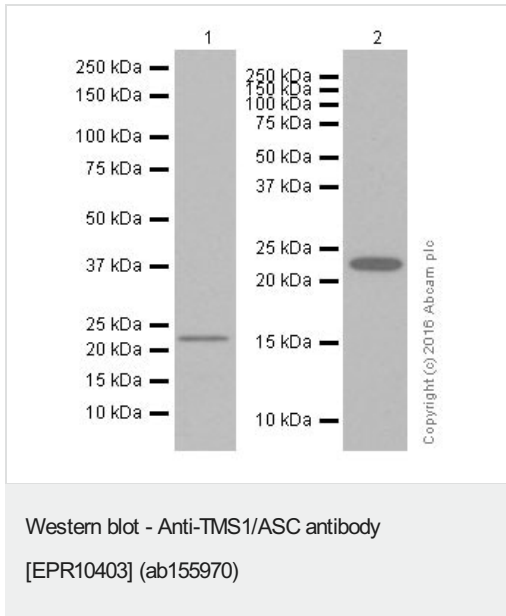
**序列相似性**                                      Contains 1 CARD domain.  
  Contains 1 DAPIN domain.

**结构域**    Interacts with CIAS1/PYPAF1 and PYDC1 via the DAPIN domain.

**翻译后修饰**                                      Phosphorylated.

**细胞定位**                                      Cytoplasm. Upstream of caspase activation, a redistribution from the cytoplasm to the aggregates occurs. These appear as hollow, perinuclear spherical, ball-like structures.

## 图片



**All lanes :** Anti-TMS1/ASC antibody [EPR10403] (ab155970) at 1/5000 dilution

**Lane 1 :** THP-1 (Human monocytic leukemia cell line) whole cell lysate

**Lane 2 :** U937 (Human histiocytic lymphoma cell line) whole cell lysate

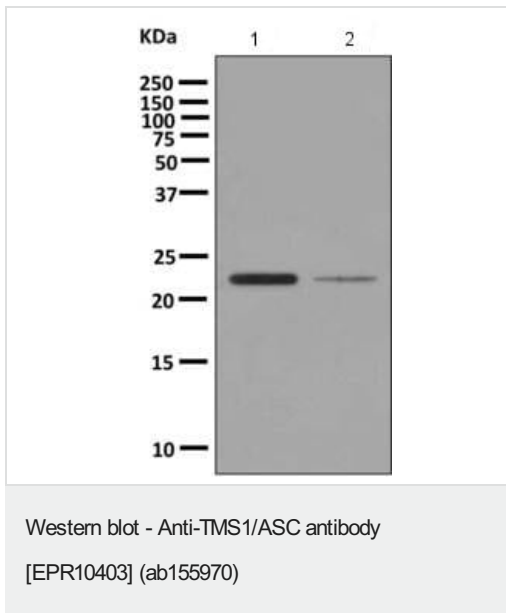
Lysates/proteins at 15 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 20000 µg

**Predicted band size:** 22 kDa

**Blocking and diluting buffer:** 5% NFDM/TBST



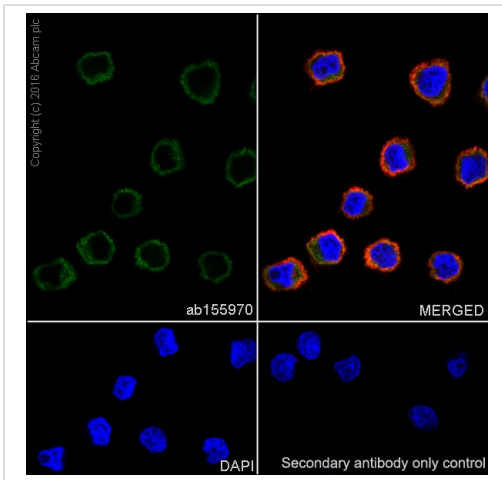
**All lanes :** Anti-TMS1/ASC antibody [EPR10403] (ab155970) at 1/1000 dilution

**Lane 1 :** THP1 cell lysate

**Lane 2 :** U937 cell lysate

Lysates/proteins at 10 µg per lane.

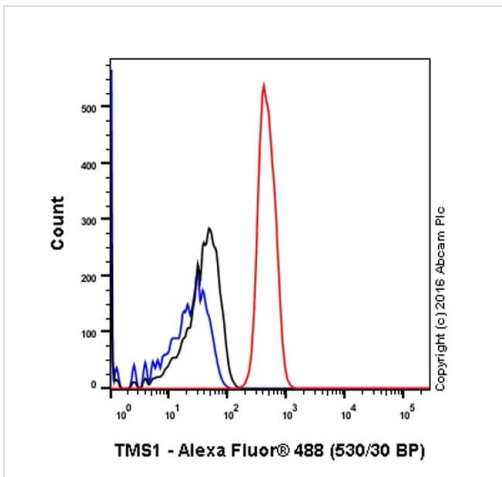
**Predicted band size:** 22 kDa



Immunocytochemistry/ Immunofluorescence - Anti-TMS1/ASC antibody [EPR10403] (ab155970)

**ab155970 staining TMS1/ASC in U937 (Human histiocytic lymphoma cell line) cells by ICC/IF (Immunocytochemistry/immunofluorescence).**

Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/250. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a dilution of 1/1000. [ab195889](#) was used as a counterstain for primary antibody ab155970 at 1/200. DAPI was used as a nuclear counterstain and PBS as a negative control.



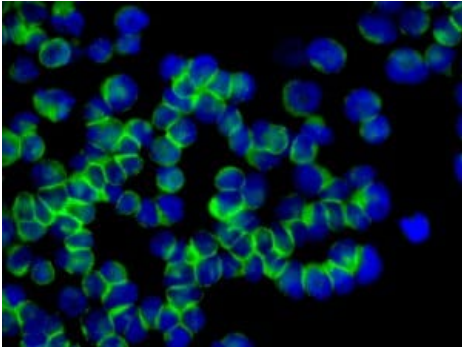
Flow Cytometry (Intracellular) - Anti-TMS1/ASC antibody [EPR10403] (ab155970)

**ab155970 staining TMS1/ASC in the human cell line THP-1 (Human monocytic leukemia cell line) by intracellular flow cytometry.**

Cells were fixed with 4% paraformaldehyde and the sample was incubated with the primary antibody at a dilution of 1/50. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

**Isoytype control:** Rabbit monoclonal IgG (Black)

**Unlabeled control:** Cell without incubation with primary antibody and secondary antibody (Blue)



Immunofluorescence analysis of THP-1 (Human monocytic leukemia cell line) cells, labeling TMS1/ASC using ab155970 at a 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-TMS1/ASC antibody [EPR10403] (ab155970)

### 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-TMS1/ASC antibody [EPR10403] (ab155970)

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

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