

Anti-TMS1/ASC antibody [EPR10402(B)] ab151700

敲除验证 重组 RabMAb

8 References 5 图像

概述	
产品名称	Anti-TMS1/ASC抗体[EPR10402(B)]
描述	兔单克隆抗体[EPR10402(B)] to TMS1/ASC
宿主	Rabbit
经测试应用	适用于: WB, IP 不适用于: Flow Cyt or ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human TMS1/ASC. The exact sequence is proprietary.
阳性对照	THP1, MCF7, U937 cell lysates; THP1 cells.
常规说明	<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>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>
性能	
形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR10402(B)

同种型lgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab151700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。

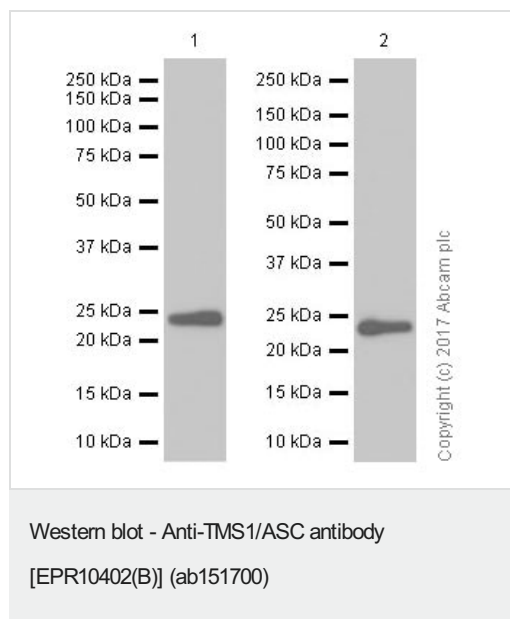
应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 22 kDa.
IP		1/10 - 1/100.

应用说明      Is unsuitable for Flow Cyt or ICC/IF.

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 [EPR10402(B)] (ab151700) at 1/5000 dilution (purified)

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

**Lane 2 :** U-937 (Human histiocytic lymphoma monocyte) whole cell lysate

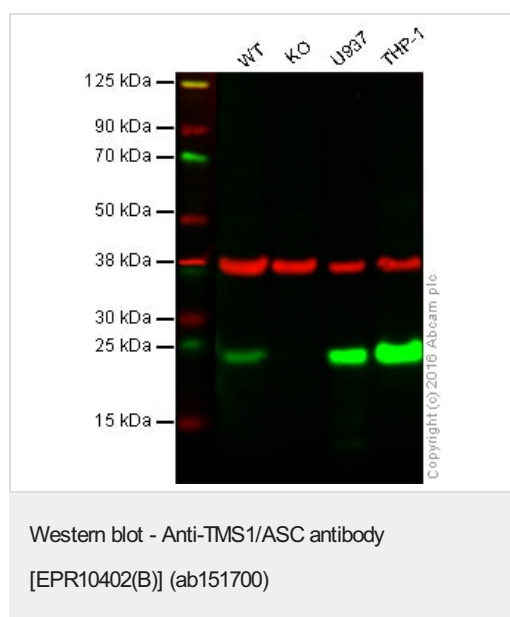
Lysates/proteins at 15 µg per lane.

#### Secondary

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

**Predicted band size:** 22 kDa

Blocking and diluting buffer: 5% NFDM/TBST



**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

**Lane 2:** TMS1/ASC knockout HAP1 cell lysate (20 µg)

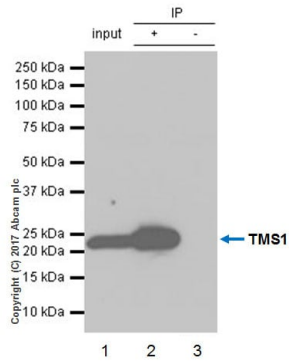
**Lane 3:** U937 cell lysate (20 µg)

**Lane 4:** THP1 cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab151700 observed at 24 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

Unpurified ab151700 was shown to specifically react with TMS1/ASC when TMS1/ASC knockout samples were used. Wild-type and TMS1/ASC knockout samples were subjected to SDS-PAGE. Unpurified ab151700 and [ab8245](#) (loading control to GAPDH) were diluted at 1/1000 and 1/10 000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed

**ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Immunoprecipitation - Anti-TMS1/ASC antibody  
[EPR10402(B)] (ab151700)

ab151700 (purified) at 1:30 dilution (2ug) immunoprecipitating TMS1/ASC in THP-1 (Human monocytic leukemia monocyte) whole cell lysate.

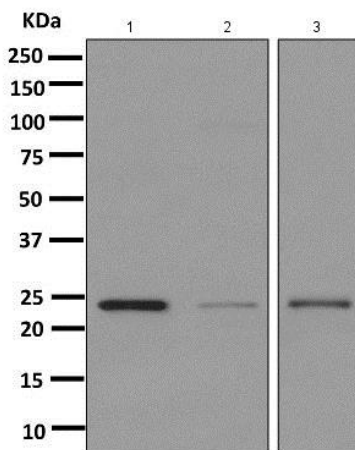
**Lane 1 (input):** THP-1 (Human monocytic leukemia monocyte) whole cell lysate 10ug

**Lane 2 (+):** ab151700 & THP-1 (Human monocytic leukemia monocyte) whole cell lysate

**Lane 3 (-):** Rabbit monoclonal IgG (**ab172730**) instead of ab151700 in THP-1 (Human monocytic leukemia monocyte) whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



Western blot - Anti-TMS1/ASC antibody  
[EPR10402(B)] (ab151700)

**All lanes :** Anti-TMS1/ASC antibody [EPR10402(B)] (ab151700) at 1/1000 dilution (unpurified)

**Lane 1 :** THP1 cell lysate

**Lane 2 :** MCF7 cell lysate

**Lane 3 :** U937 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 22 kDa

### 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 [EPR10402(B)] (ab151700)

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

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