

Anti-Thrombopoietin antibody [EPR14948] ab196026

重组 RabMAb

7 References 7 图像

概述	
产品名称	Anti-Thrombopoietin抗体[EPR14948]
描述	兔单克隆抗体[EPR14948] to Thrombopoietin
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, IHC-P
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	Human fetal liver; Thrombopoietin recombinant protein; Human liver and bone marrow tissues; Jurkat 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">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR14948
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab196026于以下的经测试应用

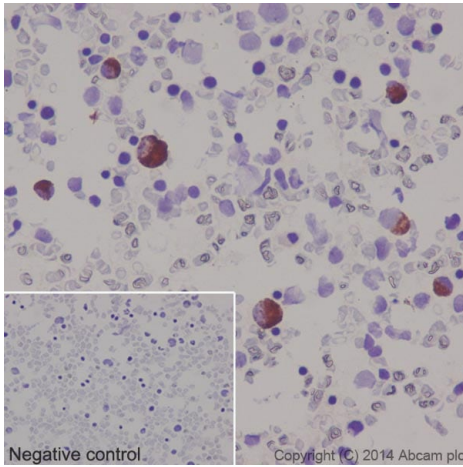
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/40.
WB		1/1000 - 1/5000. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).
ICC/IF		1/50.
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

靶标

功能	Lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.
疾病相关	Defects in THPO are a cause of essential thrombocythemia (ET) [MIM:187950]. ET is inherited as an autosomal dominant trait which is characterized by elevated platelet levels due to sustained proliferation of megakaryocytes, and frequently lead to thrombotic and haemorrhagic complications.
序列相似性	Belongs to the EPO/TPO family.
结构域	Two-domain structure with an erythropoietin-like N-terminal and a Ser/Pro/Thr-rich C-terminal.
细胞定位	Secreted.

图片

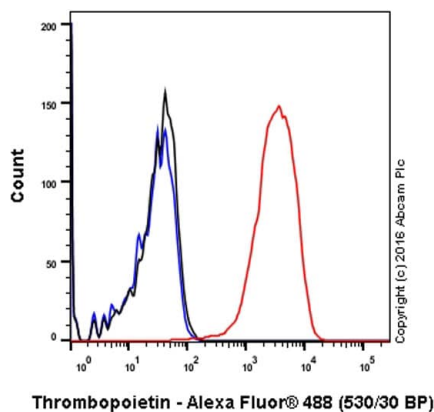


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombopoietin antibody [EPR14948] (ab196026)

Immunohistochemical analysis of paraffin-embedded Human bone marrow tissue labeling Thrombopoietin with ab196026 at 1/4000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution and counter-stained with Hematoxylin. (inset: negative control).

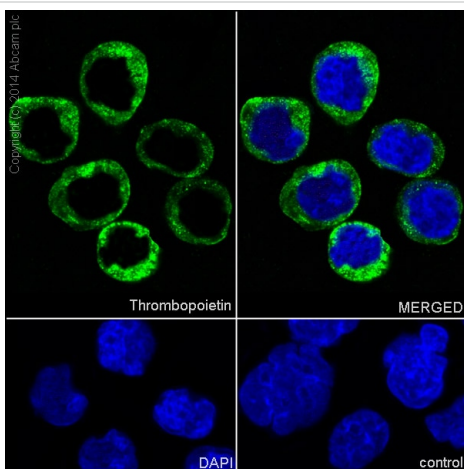
Note: Cytoplasm staining on human bone marrow tissue was observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Thrombopoietin antibody [EPR14948] (ab196026)

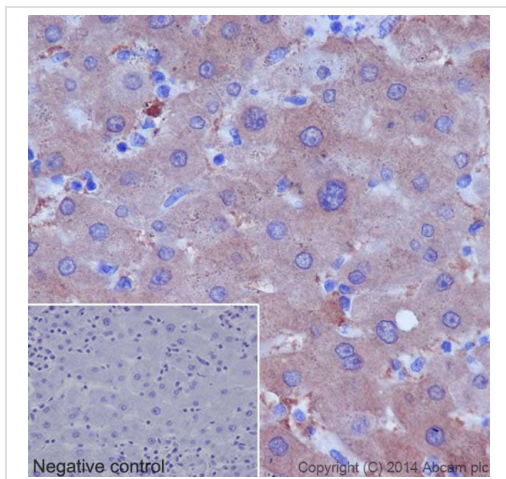
Intracellular Flow Cytometry analysis of Jurkat (human acute T cell leukemia) labelling Thrombopoietin with purified ab196026 at 1/40 (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Alexa Fluor® 488 goat anti-rabbit IgG (1/2000) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.



Immunocytochemistry/ Immunofluorescence - Anti-Thrombopoietin antibody [EPR14948] (ab196026)

Immunofluorescent analysis of Jurkat cells (4% Paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized) labeling Thrombopoietin with ab196026 at 1/50 dilution followed by Goat anti rabbit IgG (AlexaFluor® 488) ([ab150077](#)) secondary at 1/400 dilution and counter-stained with DAPI (blue).

Note: Cytoplasm staining on Jurkat cell line was observed.

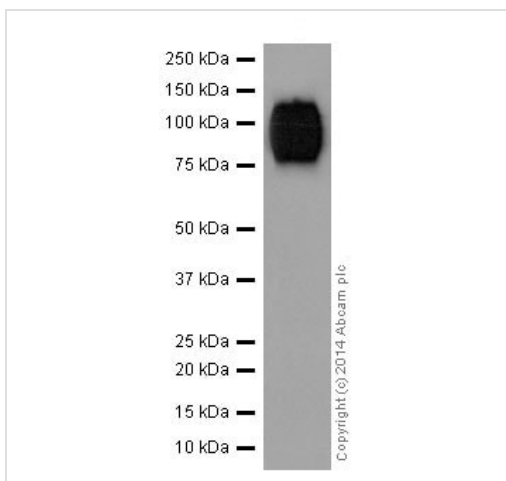


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thrombopoietin antibody [EPR14948] (ab196026)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling Thrombopoietin with ab196026 at 1/4000 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution and counter-stained with Hematoxylin. (inset: negative control).

Note: Cytoplasm staining on human liver tissue was observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



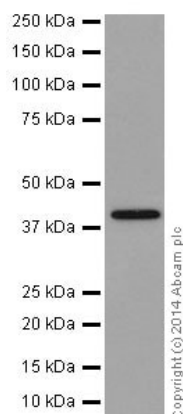
Western blot - Anti-Thrombopoietin antibody [EPR14948] (ab196026)

Anti-Thrombopoietin antibody [EPR14948] (ab196026) at 1/5000 dilution + Thrombopoietin recombinant protein at 0.01 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 38 kDa



Western blot - Anti-Thrombopoietin antibody
[EPR14948] (ab196026)

Anti-Thrombopoietin antibody [EPR14948] (ab196026) at 1/1000
dilution + Human fetal liver at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/1000 dilution

Predicted band size: 38 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-Thrombopoietin antibody [EPR14948]
(ab196026)

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