

Anti-Profilin 1 antibody [EPR6304] ab124904

敲除验证 重组 RabMAb

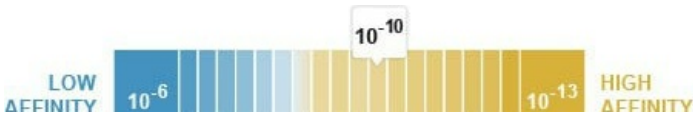
★★★★★ 2 Abreviews 17 References 12 图像

概述

产品名称	Anti-Profilin 1抗体[EPR6304]
描述	兔单克隆抗体[EPR6304] to Profilin 1
宿主	Rabbit
特异性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
经测试应用	适用于: WB, IHC-P, ICC/IF, Flow Cyt (Intra)
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Profilin 1 aa 100-200 (C terminal). The exact sequence is proprietary.
阳性对照	WB: Jurkat, JAR, HepG2 and HEK-293T cell lysates, mouse and rat brain lysate, human fetal brain lysate; IHC-P: Human colon and breast tissue; ICC/IF: HeLa, Jurkat cells; Flow Cyt (intra): HeLa 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. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 1.24 x 10 ⁻¹⁰ M





[Learn more about K_D](#)

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6304
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab124904 于以下的经测试应用

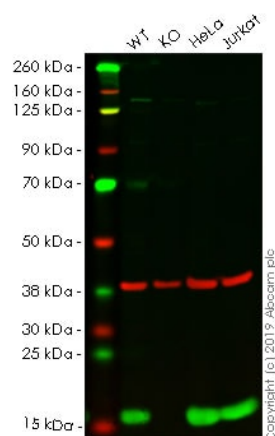
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
WB	★★★★★ (1)	1/10000 - 1/50000. Detects a band of approximately 12 kDa (predicted molecular weight: 15 kDa).
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat. See IHC antigen retrieval protocols .
ICC/IF		1/100. For unpurified use at 1/250 - 1/500
Flow Cyt (Intra)		1/200. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

靶标

功能	Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.
序列相似性	Belongs to the profilin family.
细胞定位	Cytoplasm > cytoskeleton.

图片



Western blot - Anti-Profilin 1 antibody [EPR6304] (ab124904)

All lanes : Anti-Profilin 1 antibody [EPR6304] (ab124904) at 1/1000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : PFN1 knockout HAP1 whole cell lysate

Lane 3 : HeLa whole cell lysate

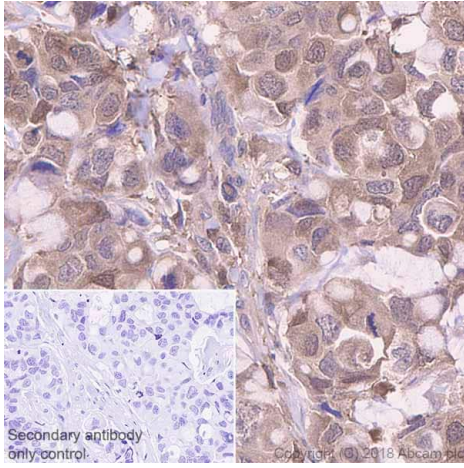
Lane 4 : Jurkat whole cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 15 kDa

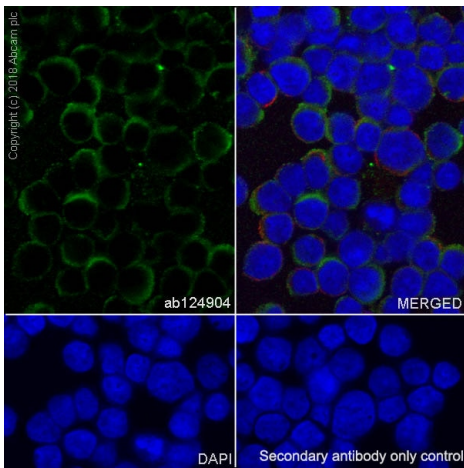
Lanes 1 -4: Merged signal (red and green). Green - ab124904 observed at 15 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab124904 was shown to specifically react with in wild-type HAP1 cells as signal was lost in PFN1 knockout cells. Wild-type and PFN1 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% NF Milk. Ab124904 and **ab8245** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/10000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



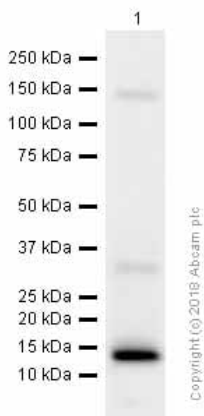
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Profilin 1 antibody [EPR6304] (ab124904)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human breast carcinoma tissue sections labeling Profilin 1 with Purified ab124904 at 1:800 dilution (0.18 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunocytochemistry/ Immunofluorescence - Anti-Profilin 1 antibody [EPR6304] (ab124904)

Immunocytochemistry/ Immunofluorescence analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling Profilin 1 with Purified ab124904 at 1:100 dilution (1.4 µg/ml). Cells were fixed in 100% Methanol. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Profilin 1 antibody [EPR6304] (ab124904)

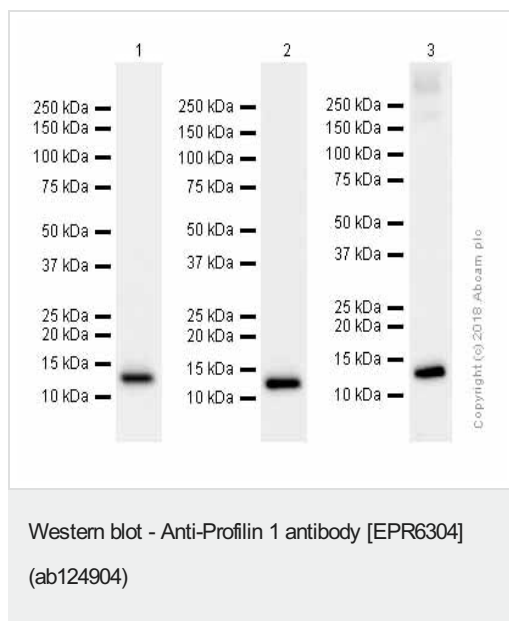
Anti-Profilin 1 antibody [EPR6304] (ab124904) at 1/10000 dilution (Purified) + Human fetal brain lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 15 kDa

Observed band size: 12 kDa



All lanes : Anti-Profilin 1 antibody [EPR6304] (ab124904) at 1/10000 dilution (Purified)

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

Lane 2 : Mouse brain lysates

Lane 3 : Rat brain lysates

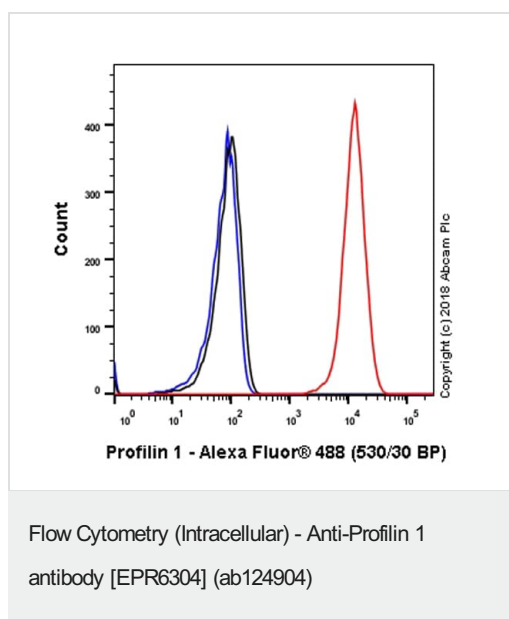
Lysates/proteins at 15 µg per lane.

Secondary

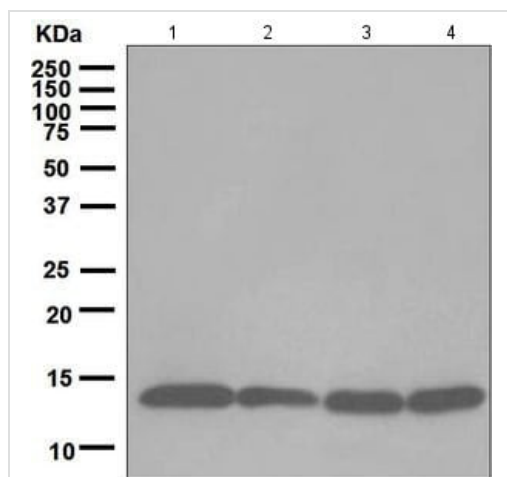
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 15 kDa

Observed band size: 12 kDa



Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Profilin 1 with Purified ab124904 at 1/200 dilution (1 µg/ml) (red). Cells were fixed with 80% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-Profilin 1 antibody [EPR6304]
(ab124904)

All lanes : Anti-Profilin 1 antibody [EPR6304] (ab124904) at 1/10000 dilution (Unpurified)

Lane 1 : Jurkat cell lysate

Lane 2 : JAR cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : 293T cell lysate

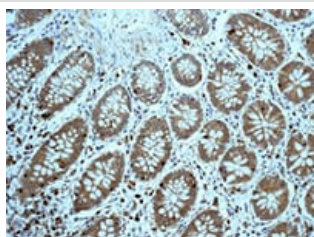
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 15 kDa

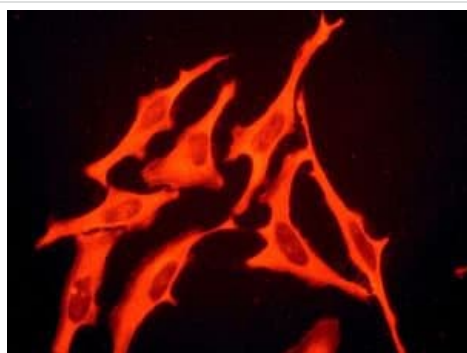
Observed band size: 12 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Profilin 1 antibody [EPR6304] (ab124904)

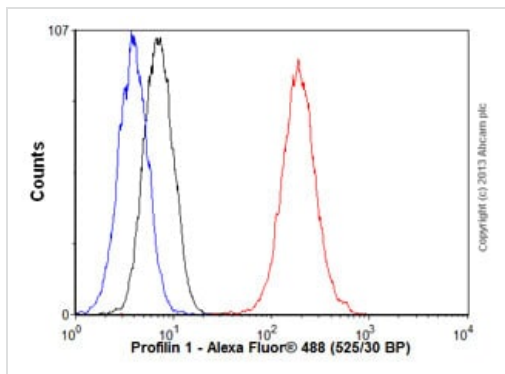
Unpurified ab124904, at 1/500 dilution, staining Profilin 1 in paraffin-embedded human colon tissue by Immunohistochemistry.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



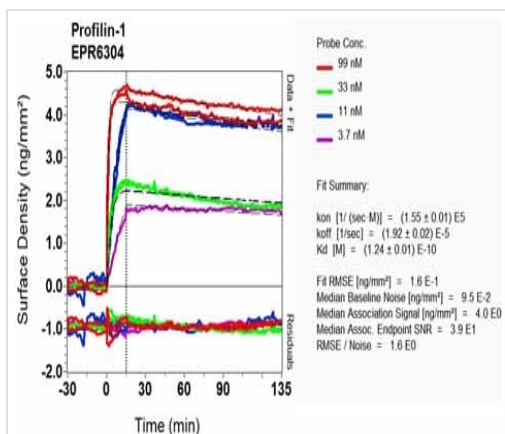
Immunocytochemistry/ Immunofluorescence - Anti-Profilin 1 antibody [EPR6304] (ab124904)

Unpurified ab124904, at 1/250 dilution, staining Profilin 1 in HeLa cells by Immunofluorescence.



Flow Cytometry (Intracellular) - Anti-Profilin 1 antibody [EPR6304] (ab124904)

Overlay histogram showing HeLa cells stained with unpurified ab124904 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab124904, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor[®] 488 goat anti-rabbit IgG (H&L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1 µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



BIORAD Scanning - Anti-Profilin 1 antibody [EPR6304] (ab124904)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



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Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Profilin 1 antibody [EPR6304] (ab124904)

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