abcam

Product datasheet

Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free ab232020

敲除验证 重组 RabMAb

9 图像

概述

产品名称	Anti-Profilin 1抗体[EPR6304] - BSA and Azide free
描述	兔单克隆抗体[EPR6304] to Profilin 1 - BSA and Azide free
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:** IHC-P, WB, ICC/IF, Flow Cyt (Intra)
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
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	ab232020 is the carrier-free version of **ab124904**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: 100% PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6304
同种型	IgG

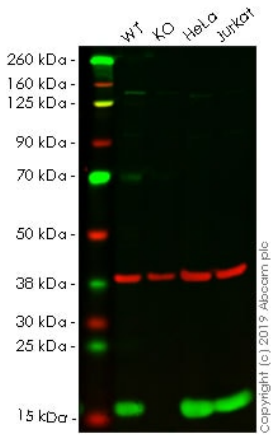
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab232020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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**.
WB		Use at an assay dependent concentration. Predicted molecular weight: 15 kDa.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.

图片



Western blot - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

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

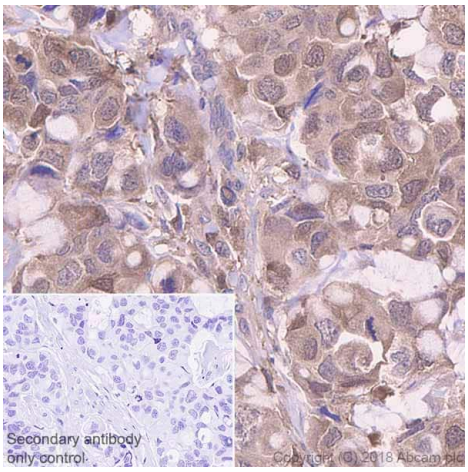
Lysates/proteins at 20 µg per lane.

Predicted band size: 15 kDa

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124904**).

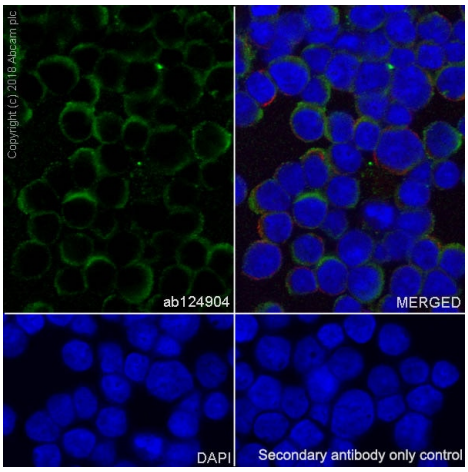
Lanes 1 - 4: Merged signal (red and green). Green - **ab124904** observed at 15 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

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.



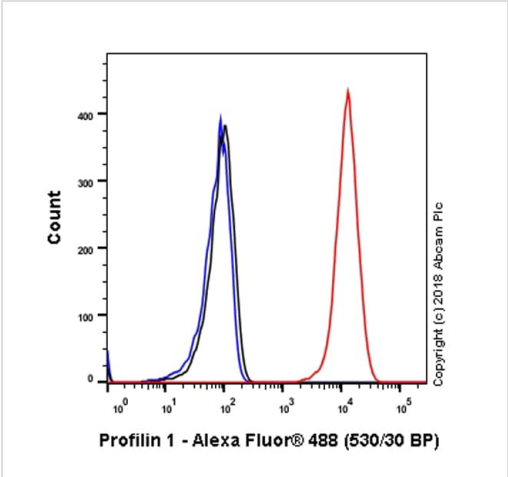
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

This image was made using **ab124904** which is the same antibody as ab232020 with BSA and Azide
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.



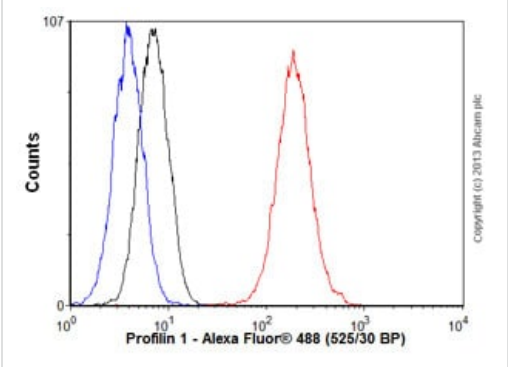
Immunocytochemistry/ Immunofluorescence - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

This image was made using **ab124904** which is the same antibody as ab232020 with BSA and Azide
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.



Flow Cytometry (Intracellular) - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

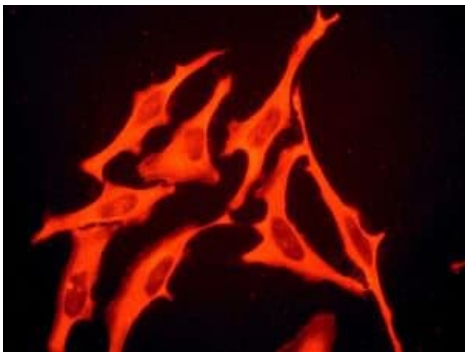
This image was made using **ab124904** which is the same antibody as ab232020 with BSA and Azide Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Profilin 1 with Purified **ab124904** at 1/200 dilution (1 µg/ml) (red). Cells were fixed with 80% 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).



Flow Cytometry (Intracellular) - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

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) (0.1µg/1x10^6 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.

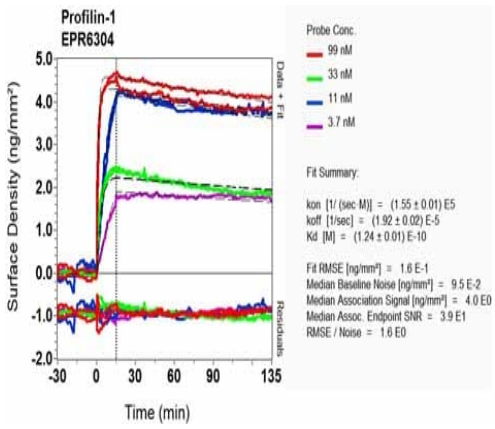
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124904**).



Immunocytochemistry/ Immunofluorescence - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124904**).



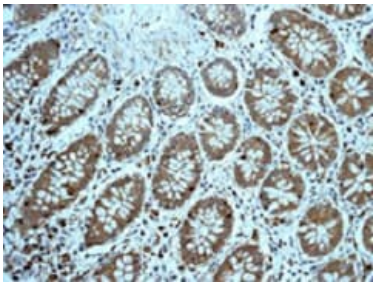
OI-RD Scanning - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124904**).

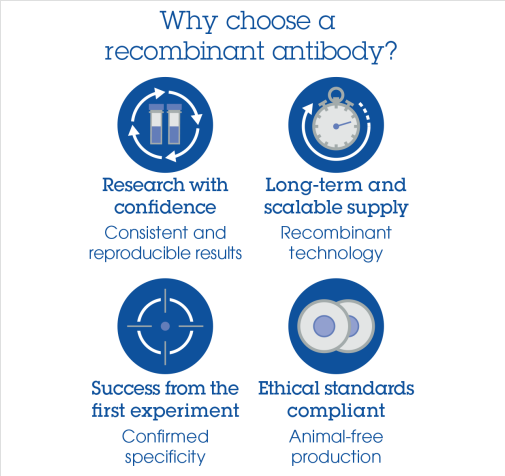


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab124904**).

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



Anti-Profilin 1 antibody [EPR6304] - BSA and Azide free (ab232020)

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