

Anti-Bak antibody [AT38E2] ab104124

敲除验证

★★★★★ 2 Abreviews 5 References 6 图像

概述

产品名称	Anti-Bak抗体[AT38E2]
描述	小鼠单克隆抗体[AT38E2] to Bak
宿主	Mouse
经测试应用	适用于: Flow Cyt, WB, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment corresponding to amino acids 29-187 of Human Bak, purified from E. coli.
阳性对照	WB: Mouse lung lysate, 293T, HeLa, A431, A549, Jurkat, MCF7, and PC3 cell lysates ICC/IF: HeLa cells. Flow Cyt: HeLa cells.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 24/01/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p>
纯度	Protein A purified
克隆	单克隆

克隆编号	AT38E2
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab104124于以下的经测试应用

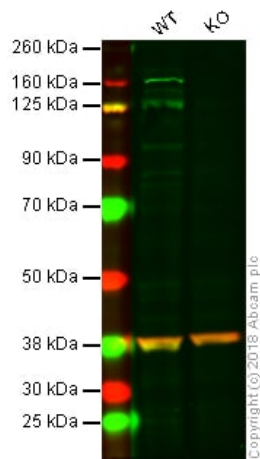
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use at an assay dependent concentration.
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 23 kDa.
ICC/IF		Use at an assay dependent concentration.

靶标

功能	In the presence of an appropriate stimulus, accelerates programmed cell death by binding to, and antagonizing the anti-apoptotic action of BCL2 or its adenovirus homolog E1B 19k protein. Low micromolar levels of zinc ions inhibit the promotion of apoptosis.
组织特异性	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.
序列相似性	Belongs to the Bcl-2 family.
结构域	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
细胞定位	Mitochondrion membrane.

图片



Western blot - Anti-Bak antibody [AT38E2]
(ab104124)

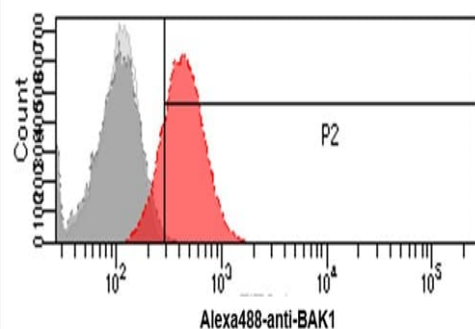
Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: BAK knockout HAP1 whole cell lysate (20 µg)

Lanes 1 - 2: Merged signal (red and green). Green - ab104124 observed at 0 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

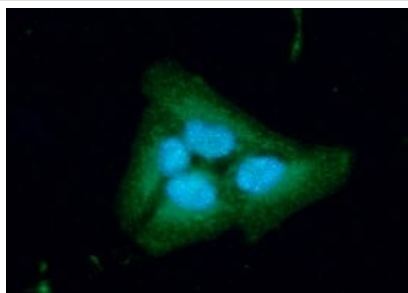
ab104124 was found to be non-specific when BAK knockout samples were used. Wild-type and BAK knockout samples were subjected to SDS-PAGE. Ab104124 and **ab181602** (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 1/250 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed **ab216772** and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed **ab216777** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

This image was produced using the ascites version of this antibody.



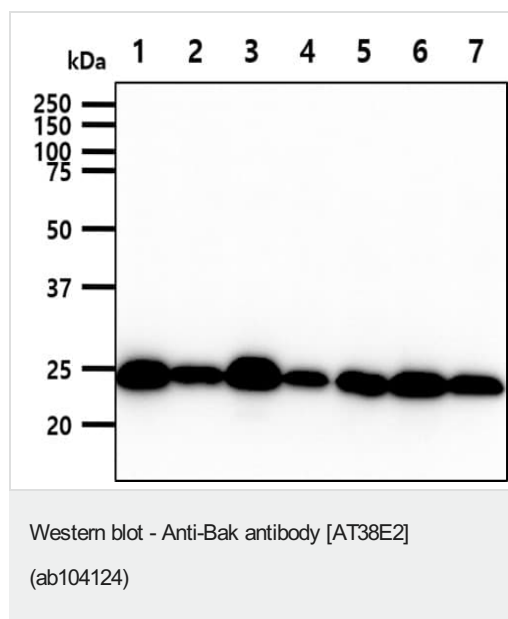
Flow Cytometry - Anti-Bak antibody [AT38E2]
(ab104124)

Flow cytometry analysis of BAK in HeLa cells. The cell was stained with ab104124 at 2-5µg for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (blue), cells without incubation with primary and secondary antibody was used as the negative control (black).



Immunocytochemistry/ Immunofluorescence - Anti-Bak antibody [AT38E2] (ab104124)

Immunocytochemistry/ Immunofluorescence analysis of BAK in HeLa cells. The cell was stained with ab104124 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



All lanes : Anti-Bak antibody [AT38E2] (ab104124) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : A431 cell lysate

Lane 4 : A549 cell lysate

Lane 5 : Jurkat cell lysate

Lane 6 : MCF7 cell lysate

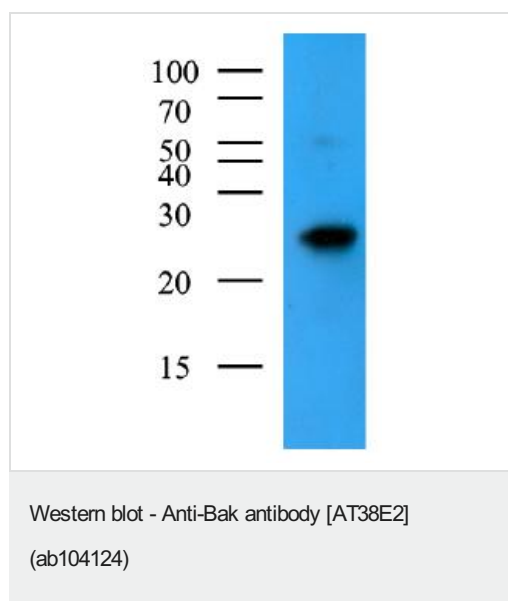
Lane 7 : PC3 cell lysate

Lysates/proteins at 40 µg per lane.

Secondary

All lanes : goat anti-mouse secondary antibody conjugated to HRP

Predicted band size: 23 kDa



Anti-Bak antibody [AT38E2] (ab104124) at 1/500 dilution + Mouse lung lysate at 35 µg

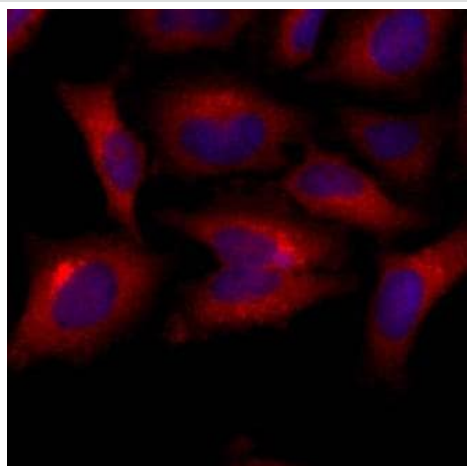
Secondary

Goat anti-mouse HRP conjugate

Developed using the ECL technique.

Predicted band size: 23 kDa

This image was produced using the ascites version of this antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Bak antibody [AT38E2] (ab104124)

Immunofluorescence staining of Bak in HeLa cells using Hoechst 33342 (Blue) for nucleus staining and ab104124 antibody (1/500) with Texas Red (Red).

This image was produced using the ascites version of this antibody.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors