

### Anti-Bak antibody [AT38E2] ab104124

KO 評価済

★★★★☆ 2 Abreviews 5 References 画像数 6

#### 製品の概要

製品名	Anti-Bak antibody [AT38E2]
製品の詳細	Mouse monoclonal [AT38E2] to Bak
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, WB, ICC/IF
種交差性	交差種: Mouse, Human
免疫原	Recombinant fragment corresponding to amino acids 29-187 of Human Bak, purified from E. coli.
ポジティブ・コントロール	WB: Mouse lung lysate, 293T, HeLa, A431, A549, Jurkat, MCF7, and PC3 cell lysates ICC/IF: HeLa cells. Flow Cyt: HeLa cells.
特記事項	<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&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	AT38E2
アイソタイプ	IgG2a
軽鎖の種類	kappa

アプリケーション

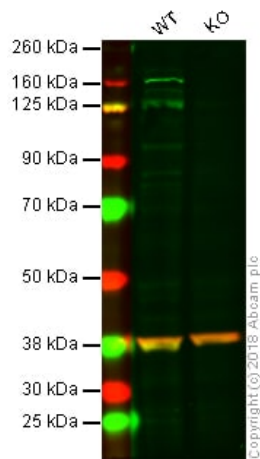
The Abpromise guarantee      **Abpromise保証は、**次のテスト済みアプリケーションにおけるab104124の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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.
組織特異性	Expressed in a wide variety of tissues, with highest levels in the heart and skeletal muscle.
配列類似性	Belongs to the Bcl-2 family.
ドメイン	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.
細胞内局在	Mitochondrion membrane.

画像



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

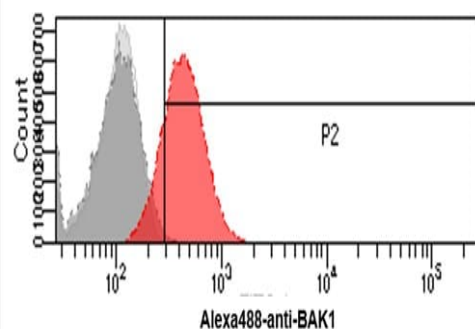
**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

**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.

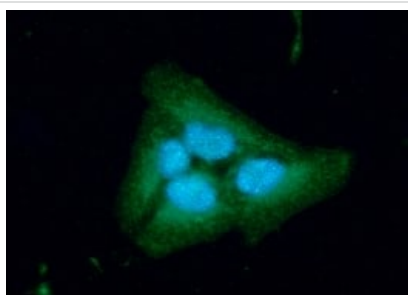
ab104124 was found to be non-specific when BAK knockout samples were used. Wild-type and BAK knockout samples were subjected to SDS-PAGE. Ab104124 and **ab181602** (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 1/250 dilution and 1/20000 dilution respectively. Blots were developed 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.**



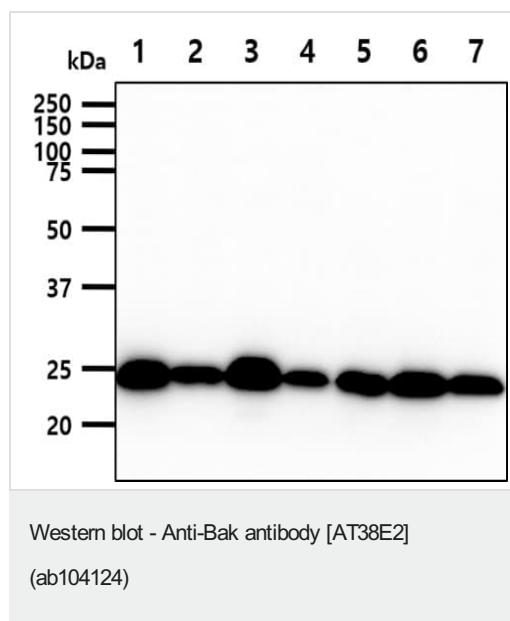
Flow Cytometry - Anti-Bak antibody [AT38E2]  
(ab104124)

Flow cytometry analysis of BAK in HeLa cells. The cell was stained with ab104124 at 2-5µg for 1x10<sup>6</sup> 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

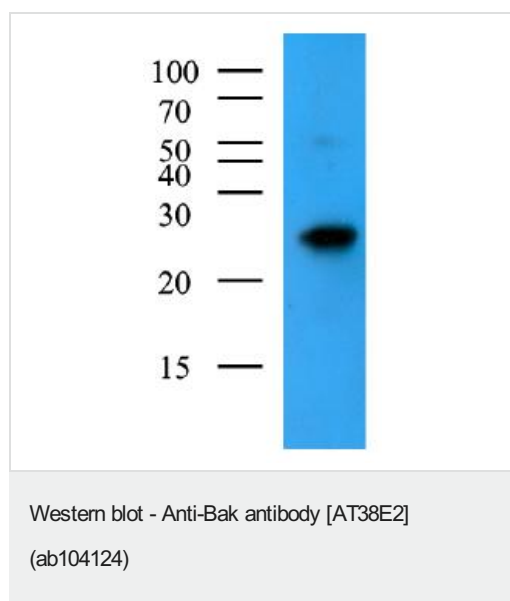
**Lane 7 :** PC3 cell lysate

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

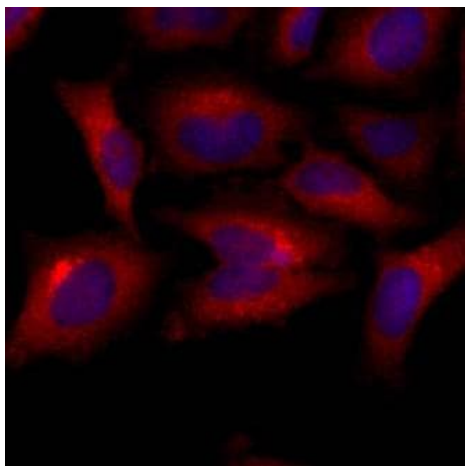
### Secondary

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.**

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