abcam

Product datasheet

Anti-Bax antibody [21C10] ab243140





3 References 3 图像

概述

产**品名称** Anti-Bax抗体[21C10]

宿主 Rat

经测试应用 适用于: WB

不适用于: ICC/IF or 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 WB: HuT-78, HEK-293T, Raji and HeLa whole cell lysate. Wild type HAP1 whole cell lysate.

常规说明 This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or

conjugation for your experiments, please contact orders@abcam.com.

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.

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 Preservative: 0.01% Sodium azide

Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59.04% PBS

纯**度** lon Exchange Chromatography

 克隆
 单克隆

 克隆编号
 21C10

 同种型
 IgG2a

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The Abpromise guarantee

Abpromise™承诺保证使用ab243140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		1/500. Predicted molecular weight: 21 kDa.

应用说明 Is unsuitable for ICC/IF or IHC-P.

靶标

功能 Accelerates programmed cell death by binding to, and antagonizing the apoptosis repressor

BCL2 or its adenovirus homolog E1B 19k protein. Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of cytochrome c that then triggers apoptosis. Promotes activation of CASP3, and thereby

apoptosis.

组织特异性 Expressed in a wide variety of tissues. Isoform Psi is found in glial tumors. Isoform Alpha is

expressed in spleen, breast, ovary, testis, colon and brain, and at low levels in skin and lung. Isoform Sigma is expressed in spleen, breast, ovary, testis, lung, colon, brain and at low levels in skin. Isoform Alpha and isoform Sigma are expressed in pro-myelocytic leukemia, histiocytic

lymphoma, Burkitt's lymphoma, T-cell lymphoma, lymphoblastic leukemia, breast

adenocarcinoma, ovary adenocarcinoma, prostate carcinoma, prostate adenocarcinoma, lung carcinoma, epidermoid carcinoma, small cell lung carcinoma and colon adenocarcinoma cell

lines.

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

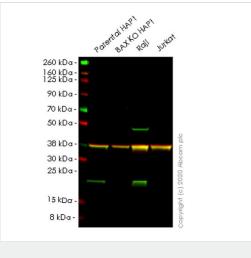
for their interaction with anti-apoptotic members of the Bcl-2 family.

细胞定位 Cytoplasm and Mitochondrion membrane. Cytoplasm. Colocalizes with 14-3-3 proteins in the

cytoplasm. Under stress conditions, undergoes a conformation change that causes release from

JNK-phosphorylated 14-3-3 proteins and translocation to the mitochondrion membrane.

图片



Western blot - Anti-Bax antibody [21C10] (ab243140)

All lanes: Anti-Bax antibody [21C10] (ab243140) at 1/500 dilution

Lane 1 : Wild-type HAP1 (human chronic myelogenous leukemia near-haploid cell), whole cell lysate

Lane 2: BAX knockout HAP1 (human chronic myelogenous leukemia near-haploid cell), whole cell lysate

Lane 3 : Raji (human Burkitt's lymphoma B lymphocyte), whole cell lysate

Lane 4 : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes: Goat Anti-Rat lgG H&L (IRDye® 800CW) (ab253031) and Goat Anti-Mouse lgG H&L (IRDye® 680RD) (ab216776)

Predicted band size: 21 kDa

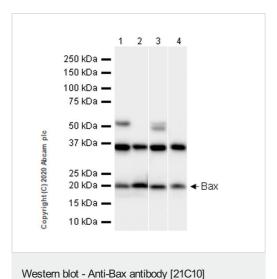
Lanes 1-4: Merged signal (red and green). Green - ab243140 observed at 21 kDa. Red - loading control **ab8245** (Mouse monoclonal [6C5] to GAPDH) observed at 36 kDa.

Lanes 1-2: ab243140 Anti-Bax antibody was shown to react with Bax in HAP1 cells in Western blot. Loss of signal was observed when Bax knockout sample was used. Wild-type and Bax knockout samples were subjected to SDS-PAGE.

ab243140 and Anti-GAPDH antibody [6C5] - Loading Control (ab8245) were incubated at 4? overnight at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rat lgG H&L (IRDye® 800CW) preadsorbed (ab253031) and Goat anti-Mouse lgG H&L (IRDye® 680RD) preadsorbed (ab216776) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

Negative control: Jurkat (PMID: 9583678).

Blocking/Dilution buffer: $\frac{1}{2}$ volume of Odyssey Blocking Buffer (TBS)+ $\frac{1}{2}$ volume of 0.1% TBS.



(ab243140)

All lanes : Anti-Bax antibody [21C10] (ab243140) at 1/5000 dilution

Lane 1 : HuT-78 (human Sezary syndrome cutaneous T lymphocyte), whole cell lysate

Lane 2 : HEK-293T (human embryonic kidney epithelial cell), whole cell lysate

Lane 3 : Raji (human Burkitt's lymphoma B lymphocyte), whole cell lysate

Lane 4 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rat lgG H&L (HRP) (ab205720) at 1/5000 dilution

Predicted band size: 21 kDa

Exposure time: 1 second

Blocking/Dilution buffer: 5% NFDM/TBST.



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