


Anti-Bax antibody ab104156

敲除 验证

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概述

产品名称	Anti-Bax抗体
描述	兔多克隆抗体to Bax
宿主	Rabbit
特异性	Expression levels of BAX protein vary with sample type. Induction may be required if endogenous expression is low.
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Cow, Cat, Dog, Pig, Macaque monkey 
免疫原	Synthetic peptide within Human Bax aa 1-100 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q07812
阳性对照	This antibody gave a positive signal in Human lymph node tissue lysate.
常规说明	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. 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

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab104156于以下的经测试应用

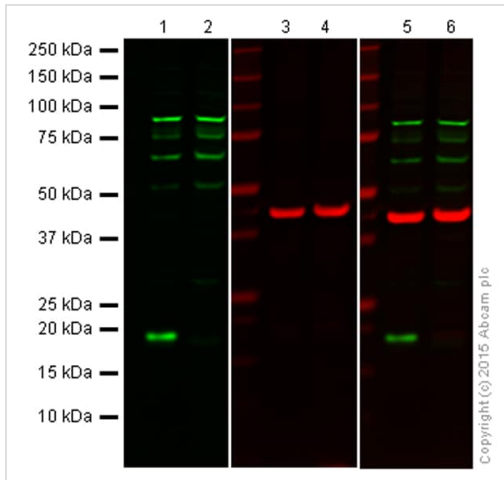
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).

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 (ab104156)

Lanes 1, 3 and 5: Wild-type HAP1 cell lysate (20 µg)

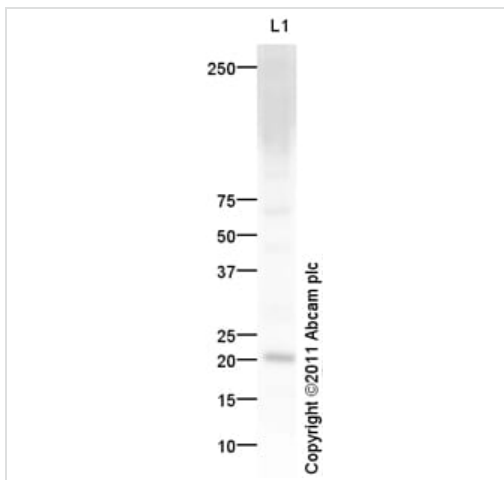
Lanes 2, 4 and 6: Bax knockout HAP1 cell lysate (20 µg)

Lanes 1 and 2: Green signal from target – ab104156 observed at 20 kDa

Lanes 3 and 4: Red signal from loading control – **ab8226** observed at 42 kDa

Lanes 5 and 6: Merged (red and green) signal

ab104156 was shown to react with Bax when Bax knockout samples were used, along with additional cross-reactive bands. Wild-type and Bax knockout samples were subjected to SDS-PAGE. ab104156 and **ab8226** (loading control to beta actin) were diluted 1 µg/mL and 1/2000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-Bax antibody (ab104156)

Anti-Bax antibody (ab104156) at 1 µg/ml + Human lymph node tissue lysate - total protein (**ab29871**) at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

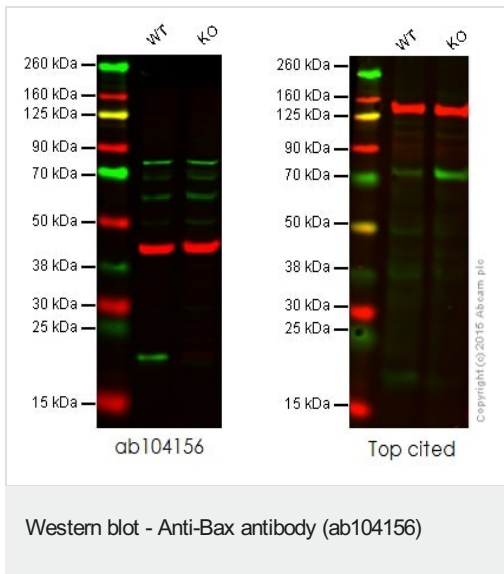
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 21 kDa

Observed band size: 21 kDa

Exposure time: 4 minutes



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

Lane 2: Bax knockout HAP1 cell lysate (20 µg)

Lanes 1 - 2: Merged signal (red and green). Green - ab104156 observed at 20 kDa. Red - loading control, **ab8245**, observed at 37 kDa or **ab18058**, observed at 130 kDa.

This western blot image is a comparison between ab104156 and a competitor's top cited rabbit polyclonal antibody.

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