

Anti-Bax antibody [5B7] ab3191

重组

19 References 4 图像

概述

产品名称	Anti-Bax抗体[5B7]
描述	小鼠单克隆抗体[5B7] to Bax
宿主	Mouse
特异性	Antibody raised against a synthetic peptide that is not shared by rat or human Bax.
经测试应用	适用于: Flow Cyt (Intra), WB, IP
种属反应性	与反应: Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A20 and C2C12 lysate. Flow Cyt (intra): RAW 264.7 cells.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p>

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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.5% BSA, PBS, 40% Glycerol (glycerin, glycerine)
纯度	Protein A purified
克隆	单克隆
克隆编号	5B7
同种型	IgG1

轻链类型

kappa

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab3191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 (Intra)		Use a concentration of 1.043 µg/ml.
WB		Use a concentration of 0.417 µg/ml. Predicted molecular weight: 21 kDa.
IP		Use a concentration of 13.9 µg/ml.

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.

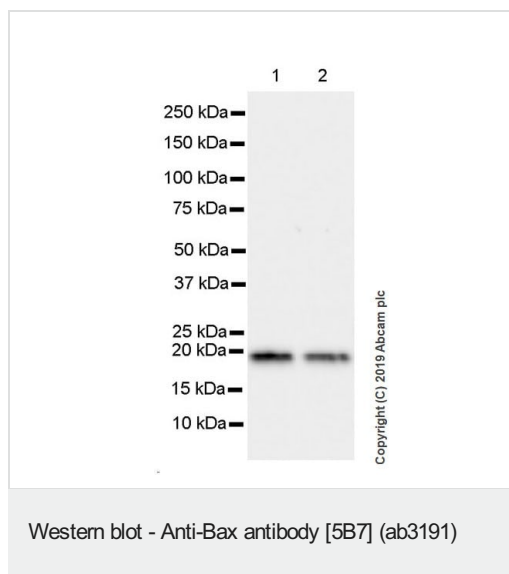
**组织特异性** Expressed in a wide variety of tissues. Isoform Psi is found in glial tumors. Isoform Alpha is expressed in spleen, breast, ovary, testis, colon and brain, and at low levels in skin and lung. Isoform Sigma is expressed in spleen, breast, ovary, testis, lung, colon, brain and at low levels in 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



**Lane 1 :** Anti-Bax antibody [5B7] (ab3191) at 0.417 mg/ml

**Lane 2 :** Anti-Bax antibody [5B7] (ab3191) at 0.417  $\mu$ g/ml

**Lane 1 :** A20 (Mouse reticulum sarcoma B lymphocyte) lysate

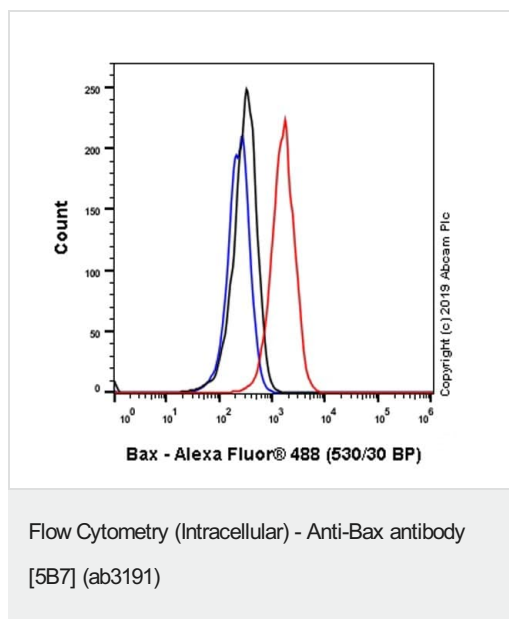
**Lane 2 :** C2C12 (Mouse myoblasts) lysate

Lysates/proteins at 20  $\mu$ g per lane.

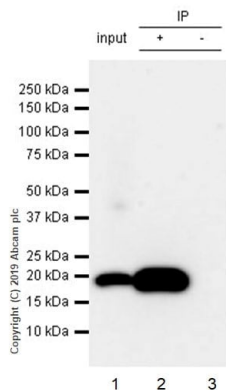
**Predicted band size:** 21 kDa

**Exposure time:** 26 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Intracellular flow cytometry analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) cells labeling Bax with ab3191 at a 1.043  $\mu$ g/ml (red) compared to a mouse monoclonal IgG isotype control (black) and cells without incubation with primary antibody and secondary antibody (blue). Goat anti-mouse IgG (Alexa Fluor® 488, [ab150113](#)) was used as the secondary at a 1/2000 dilution.



Immunoprecipitation - Anti-Bax antibody [5B7]  
(ab3191)

Bax was immunoprecipitated from RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate with **ab190908** at 13.9µg/ml. Western blot was performed from the immunoprecipitate using ab3191 at 1/1000 dilution. Anti-mouse IgG for IP (HRP) (**ab131368**) was used as secondary antibody at 1/50000 dilution.

**Lane 1:** RAW 264.7 whole cell lysate 10ug (Input).

**Lane 2:** ab3191 IP in RAW 264.7 whole cell lysate.

**Lane 3:** Mouse monoclonal IgG instead of ab3191 in RAW 264.7 whole cell lysate.

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: 30 seconds.

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Bax antibody [5B7] (ab3191)

**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