

### Anti-Bax antibody [5B7] - BSA and Azide free ab252258

重组

#### 4 图像

#### 概述

<b>产品名称</b>	Anti-Bax抗体[5B7] - BSA and Azide free
<b>描述</b>	小鼠单克隆抗体[5B7] to Bax - BSA and Azide free
<b>宿主</b>	Mouse
<b>特异性</b>	Antibody raised against a synthetic peptide that is not shared by rat or human Bax.
<b>经测试应用</b>	<b>适用于:</b> Flow Cyt (Intra), WB, IP
<b>种属反应性</b>	<b>与反应:</b> Mouse
<b>免疫原</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>阳性对照</b>	WB: A20 and C2C12 lysate. Flow Cyt (intra): RAW 264.7 cells.
<b>常规说明</b>	<p>ab252258 is the carrier-free version of <a href="#">ab3191</a>.</p> <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>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</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. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
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 ab252258 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。

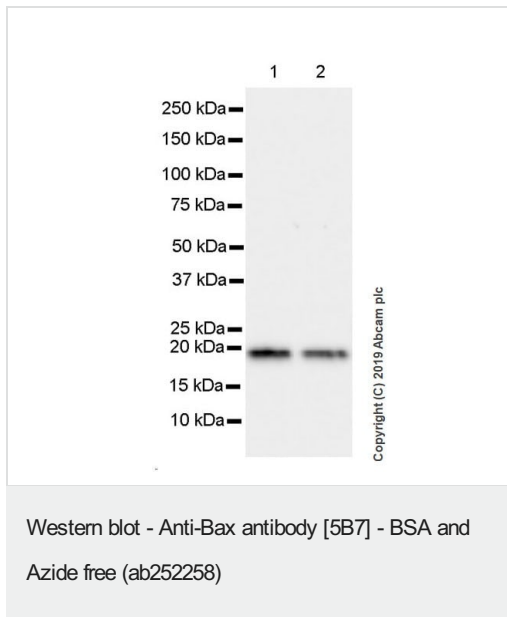
应用	Ab评论	说明
Flow Cyt (Intra)		Use a concentration of 1.043 µg/ml.
WB		Use a concentration of 0.417 µg/ml. Predicted molecular weight: 21 kDa.
IP		Use a concentration of 13.9 µg/ml.

## 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



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

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

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

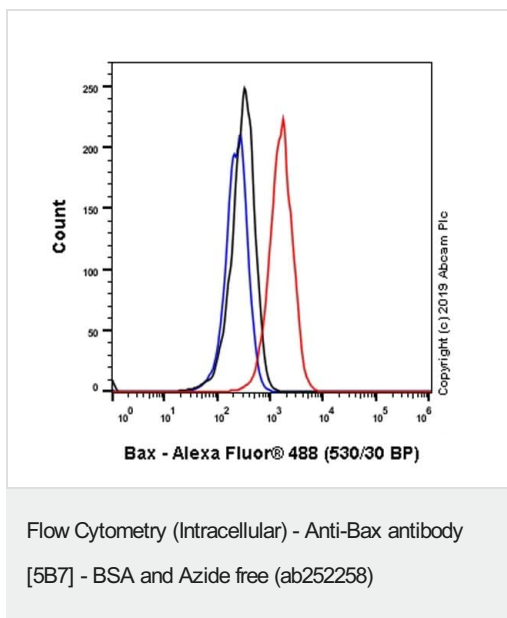
Lysates/proteins at 20 µg per lane.

**Predicted band size:** 21 kDa

**Exposure time:** 26 seconds

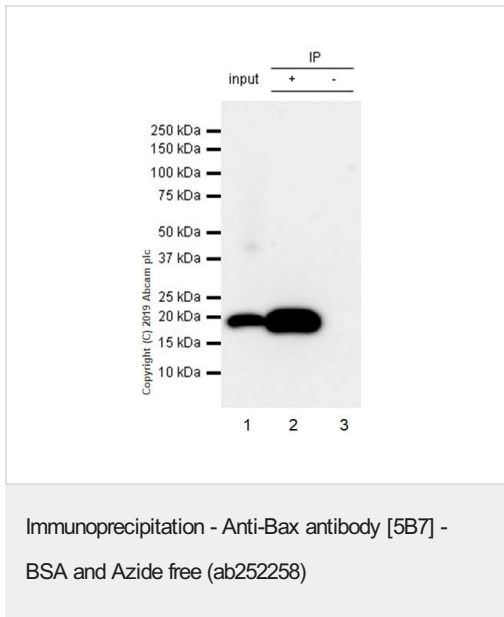
This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (**ab3191**).

Blocking/Dilution buffer: 5% NFD/MTBST.



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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 1.043 µg/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.



This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide (**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] - BSA and Azide free (ab252258)

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

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