

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

リコンビナント

画像数 4

製品の概要

製品名	Anti-Bax antibody [5B7] - BSA and Azide free
製品の詳細	Mouse monoclonal [5B7] to Bax - BSA and Azide free
由来種	Mouse
特異性	Antibody raised against a synthetic peptide that is not shared by rat or human Bax.
アプリケーション	適用あり: Flow Cyt (Intra), WB, IP
種交差性	交差種: Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: A20 and C2C12 lysate. Flow Cyt (intra): RAW 264.7 cells.
特記事項	<p>ab252258 is the carrier-free version of ab3191.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>Our carrier-free 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 conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <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[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] 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"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	5B7
アイソタイプ	IgG1
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ab252258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確認ください。

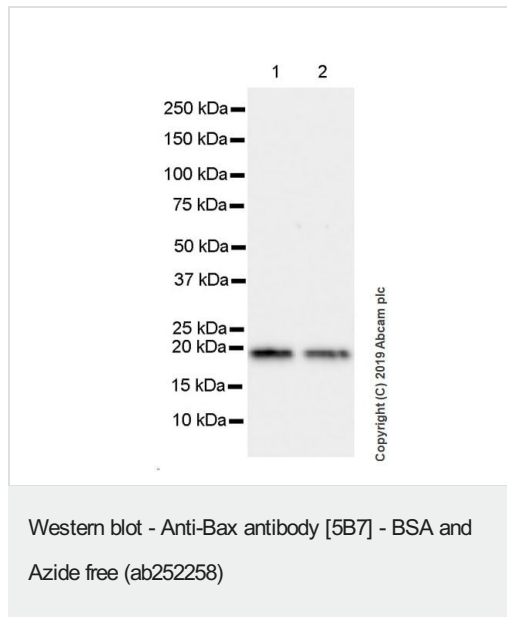
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use a concentration of 1.043 µg/ml.
WB		Use a concentration of 0.417 µg/ml. Predicted molecular weight: 21 kDa.
IP		Use a concentration of 13.9 µg/ml.

ターゲット情報

機能	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.
組織特異性	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.
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	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.

画像



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

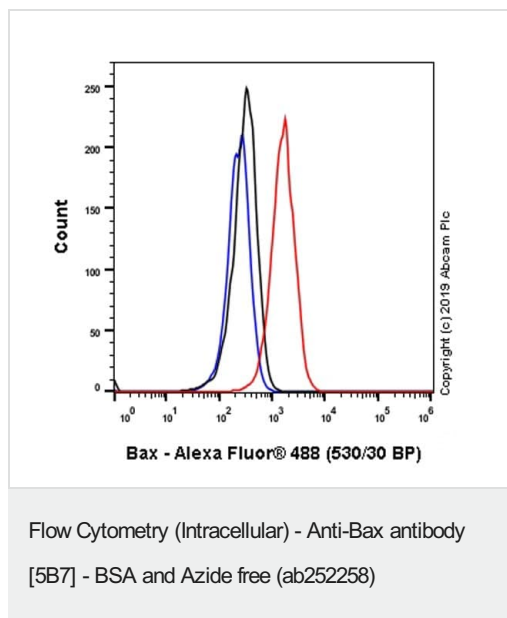
Lysates/proteins at 20 µg per lane.

Predicted band size: 21 kDa

Exposure time: 26 seconds

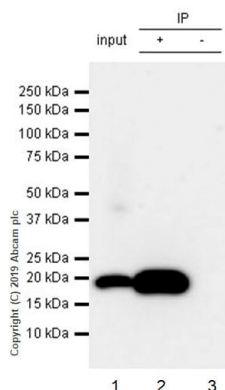
This data was developed using the same antibody clone in a different buffer formulation containing PBS and sodium azide ([ab3191](#)).

Blocking/Dilution buffer: 5% NFDM/TBST.



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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 1.043µg/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] -
BSA and Azide free (ab252258)

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).

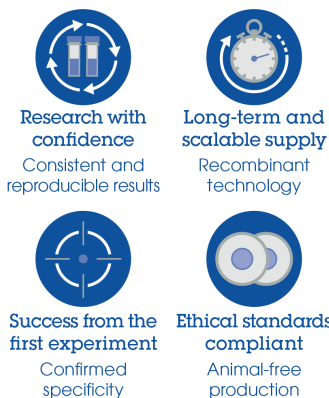
Lane 2: **ab3191** IP in RAW 264.7 whole cell lysate.

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?



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

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