


### Anti-Bax antibody ab53154

★☆☆☆☆ [1 Abreviews](#) [259 References](#) [画像数 4](#)

#### 製品の概要

製品名	Anti-Bax antibody
製品の詳細	Rabbit polyclonal to Bax
由来種	Rabbit
特異性	Preliminary customer data suggests that the current lot may not work in rat species, therefore it will be removed as a validated species until new testing is available.
アプリケーション	<b>適用あり:</b> ICC/IF, WB, IHC-P
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Rat 
免疫原	Synthetic peptide corresponding to Human Bax. The immunogen is within aa 1-50. Database link: <a href="#">Q07812</a>
特記事項	<p>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.</p> <p>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&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.87% Sodium chloride, 50% Glycerol, PBS
精製度	Without Mg <sup>2+</sup> and Ca <sup>2+</sup> Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

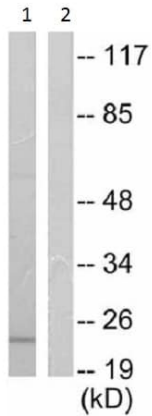
**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab53154の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★☆☆☆☆ (1)	1/100 - 1/500.
WB		1/500 - 1/1000. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 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



Western blot - Anti-Bax antibody (ab53154)

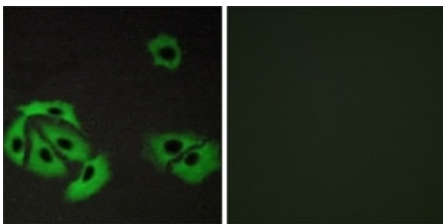
**All lanes :** Anti-Bax antibody (ab53154) at 1/500 dilution

**Lane 1 :** Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) cell extracts

**Lane 2 :** HeLa (Human epithelial cell line from cervix adenocarcinoma) cell extracts with immunizing peptide

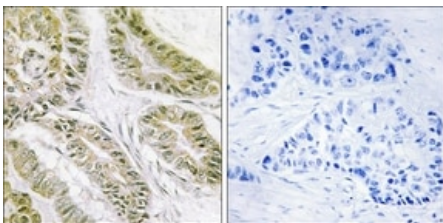
**Predicted band size:** 21 kDa

**Observed band size:** 21 kDa



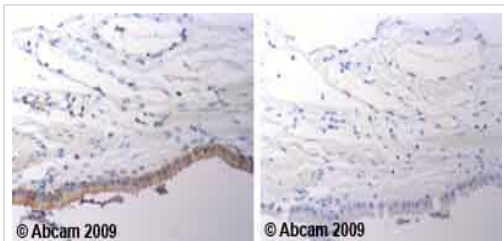
Immunocytochemistry/ Immunofluorescence - Anti-Bax antibody (ab53154)

Immunofluorescence analysis of A549 (Human lung carcinoma cell line) cells, using ab53154 at 1/100 dilution. The picture on the right is treated with the synthesized peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody (ab53154)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ab53154 at 1/50 dilution. The picture on the right is treated with the synthesized peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody (ab53154)

ab53154 staining human normal gallbladder tissue. Staining is localized to cell membrane and cytoplasm.

Left panel: ab53154 at 4 µg/ml. Right panel: Isotype control.

Sections were stained using an automated system at room temperature. Sections were rehydrated and antigen retrieved with the EDTA pH 9.0. Slides were blocked in 3% H<sub>2</sub>O<sub>2</sub>, methanol for 10 minutes. They were then blocked for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with hematoxylin and coverslipped. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.

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