


Product datasheet

Anti-Bax antibody [SP47] - BSA and Azide free ab240930

Recombinant **RabMAb**

[13 Images](#)

Overview

Product name	Anti-Bax antibody [SP47] - BSA and Azide free
Description	Rabbit monoclonal [SP47] to Bax - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Synthetic peptide within Human Bax aa 50-150 (internal sequence). The exact sequence is proprietary. Database link: Q07812
Positive control	IHC-P: Human breast, cervix, esophagus, prostate, skin, tonsil, skin squamous cell carcinoma, lung squamous cell carcinoma and HK lymphoma tissues.
General notes	<p>FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p> <p>ab240930 is the carrier-free version of ab81083. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</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>ab240930 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></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> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated</p>

antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP47
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab240930** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Primary antibody incubation for 30 minutes at room temperature.

Target

Function 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.

Tissue specificity

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.

Sequence similarities

Belongs to the Bcl-2 family.

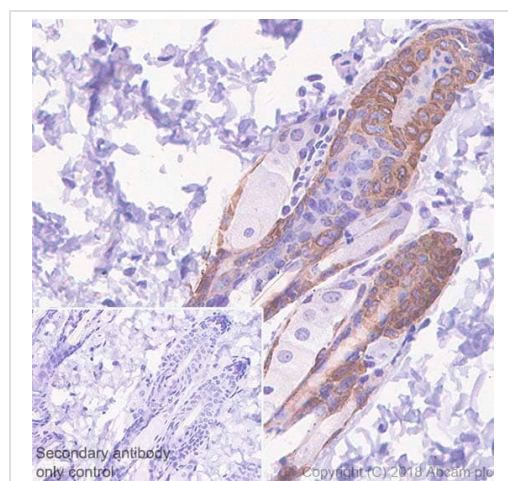
Domain

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.

Cellular localization

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.

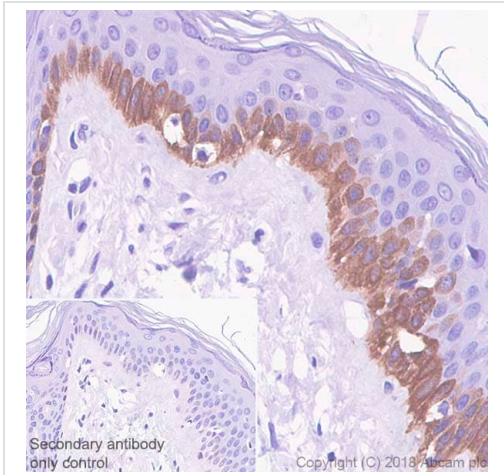
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse skin tissue sections labeling Bax with [ab81083](#) at 1/100 dilution (2.42 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0). Goat Anti-Rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on mouse skin.

This image was generated using [ab81083](#), the same clone, but with a different buffer formulation.

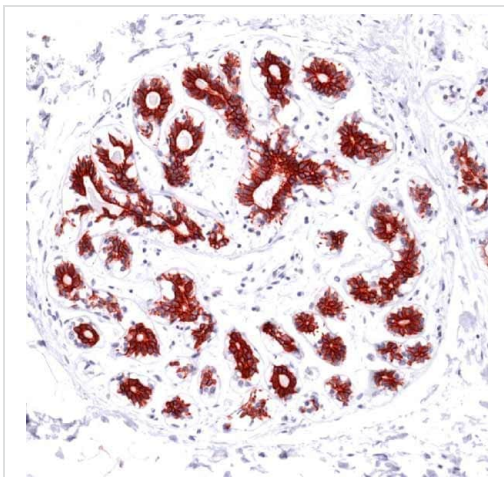
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skin tissue sections labeling Bax with [ab81083](#) at 1/100 dilution (2.42 $\mu\text{g}/\text{ml}$). Heat mediated antigen retrieval with Citrate buffer (pH 6.0). Goat Anti-Rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Positive staining on human skin.

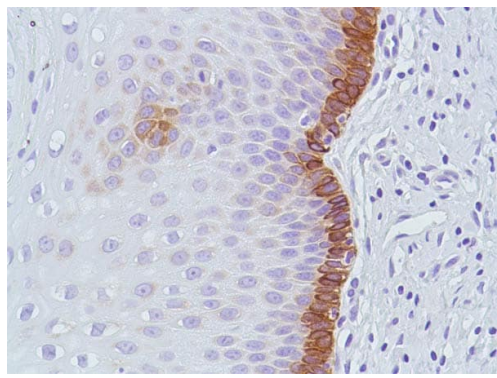
This image was generated using [ab81083](#), the same clone, but with a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human breast tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

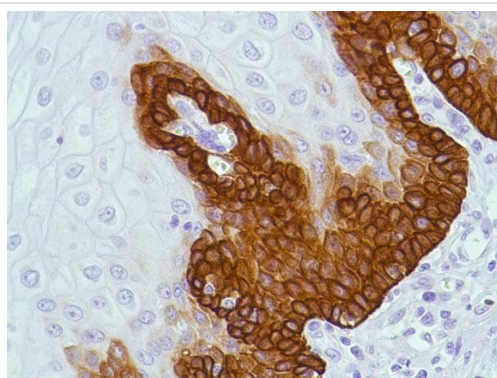
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human cervix tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

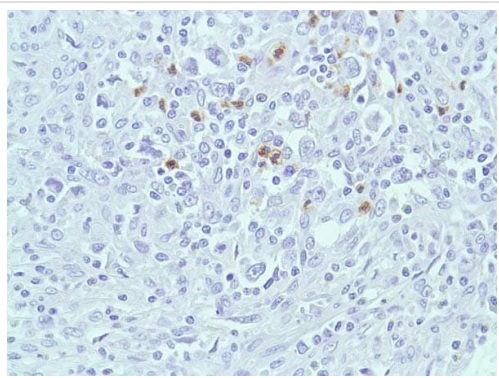
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human esophagus tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

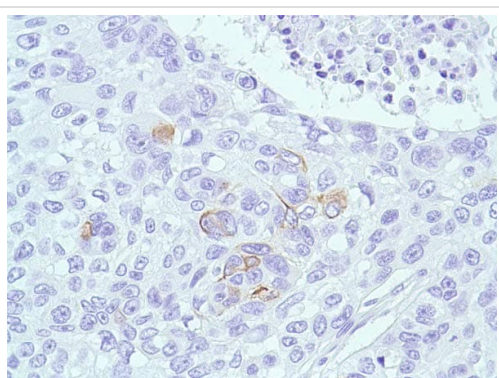
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human HK lymphoma tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

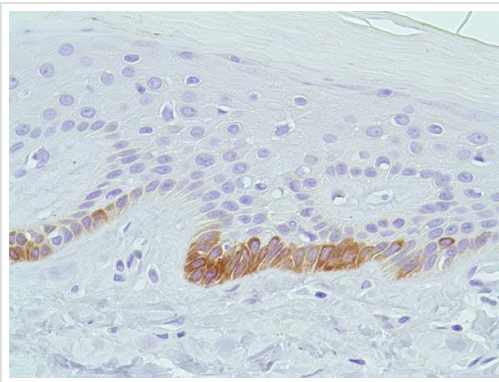
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human prostate tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

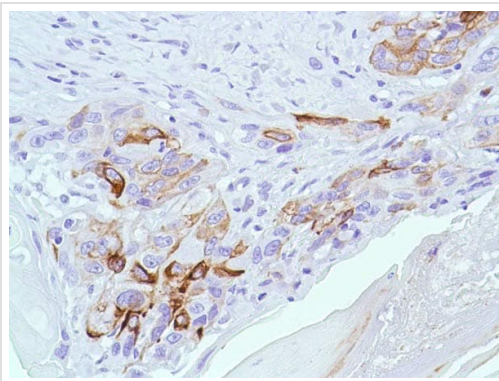
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human skin tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

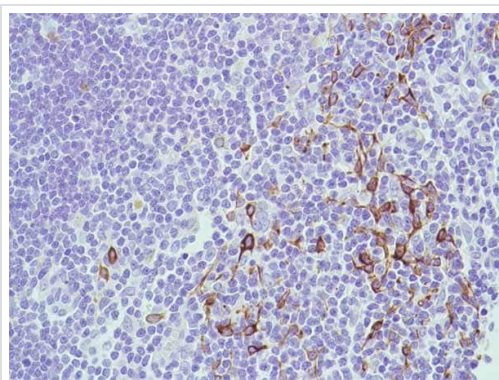
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human skin squamous cell carcinoma tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

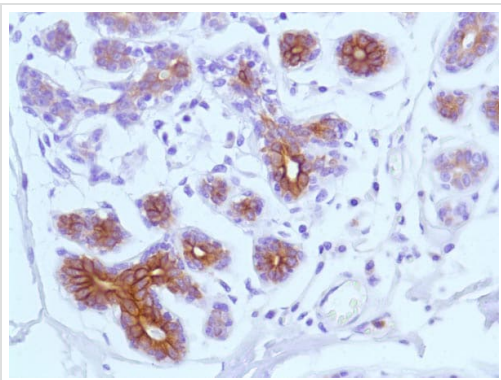
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

Formalin-fixed, paraffin-embedded human breast tissue stained for Bax using [ab81083](#) at 1/50 dilution in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, and sodium azide ([ab81083](#))

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Bax antibody [SP47] - BSA and Azide free (ab240930)

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

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