


### Anti-Bax antibody [SP47] ab81083

**重组** RabMAb

**4 References**   **13 图像**

#### 概述

产品名称	Anti-Bax抗体[SP47]
描述	兔单克隆抗体[SP47] to Bax
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Cow 
免疫原	Synthetic peptide within Human Bax aa 50-150 (internal sequence). The exact sequence is proprietary. Database link: <a href="#">Q07812</a>
阳性对照	IHC-P: Human breast, cervix, esophagus, prostate, skin, tonsil, skin squamous cell carcinoma, lung squamous cell carcinoma and HK lymphoma tissues.
常规说明	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

#### 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: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
纯度	Protein A/G purified
纯化说明	Purified from TCS by protein A/G.
克隆	单克隆
克隆编号	SP47
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab81083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
IHC-P		1/50. 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.

## 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.

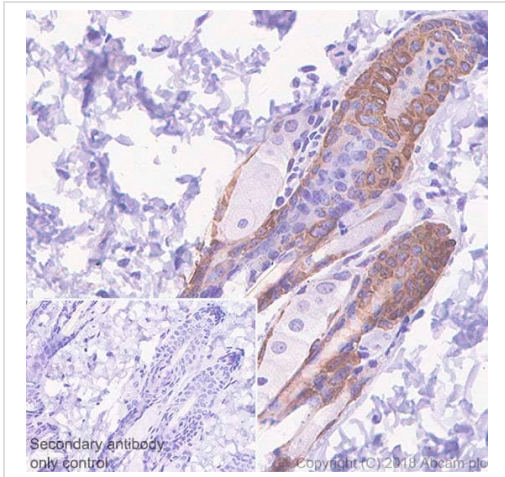
### 结构域

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



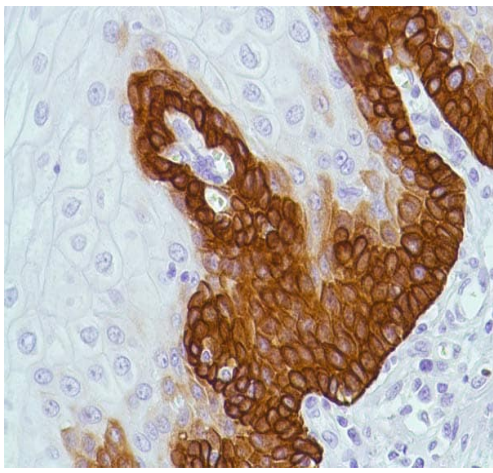
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse skin tissue sections labeling Bax with ab81083 at 1/100 dilution (2.42 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0). Goat Anti-Rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47]  
(ab81083)



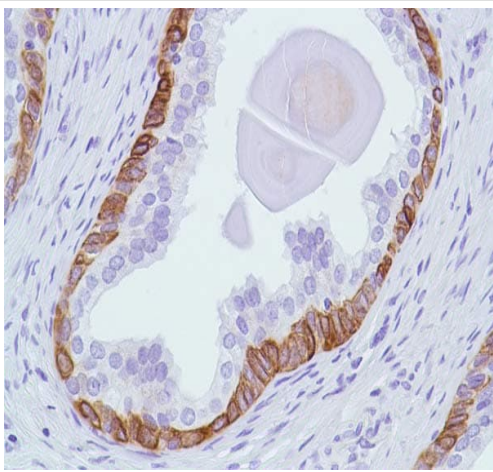
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skin tissue sections labeling Bax with ab81083 at 1/100 dilution (2.42 µg/ml). Heat mediated antigen retrieval with Citrate buffer (pH 6.0). Goat Anti-Rabbit IgG H&L (HRP) was used as the secondary antibody. Hematoxylin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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47]  
(ab81083)



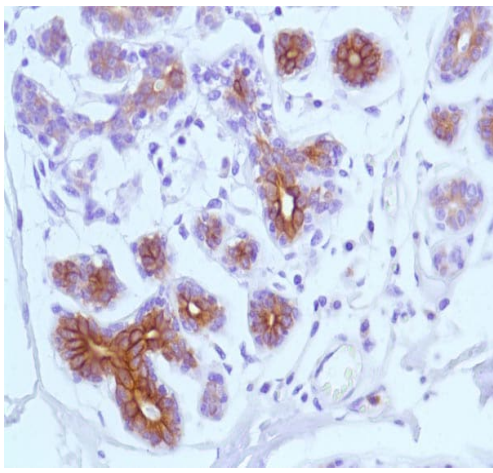
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



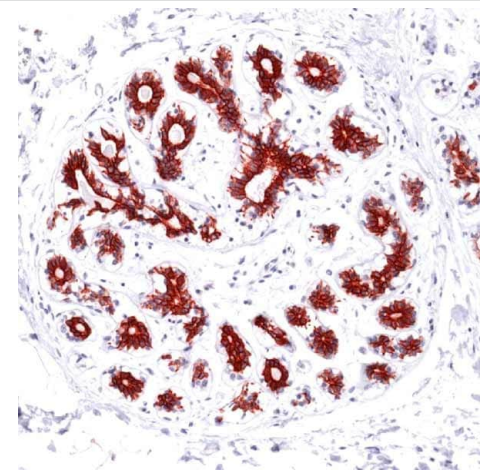
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

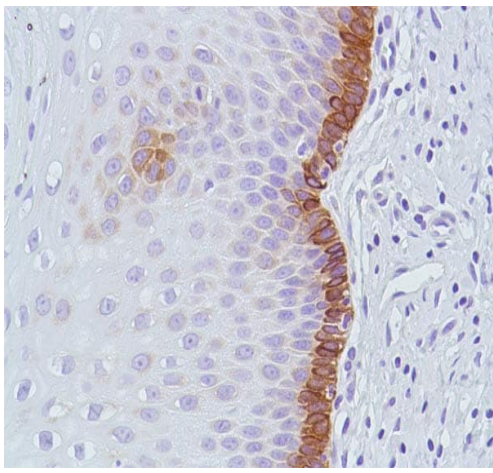
Formalin-fixed, paraffin-embedded human breast tissue stained for Bax using ab81083 at 1/50 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

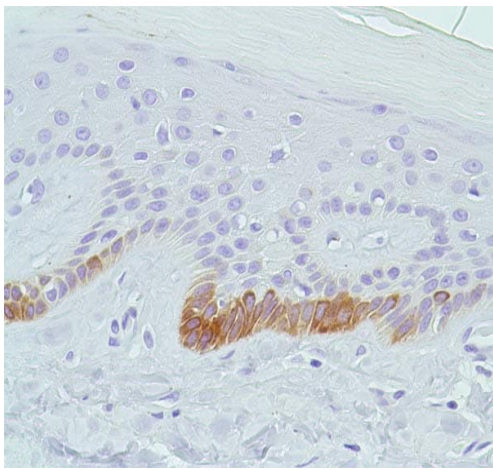
Formalin-fixed, paraffin-embedded human breast tissue stained for Bax using ab81083 at 1/50 dilution in immunohistochemical analysis.





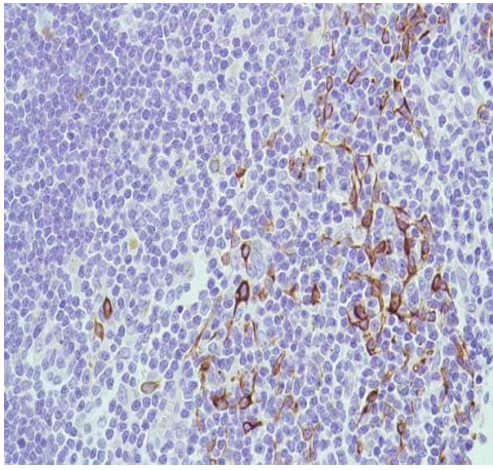
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



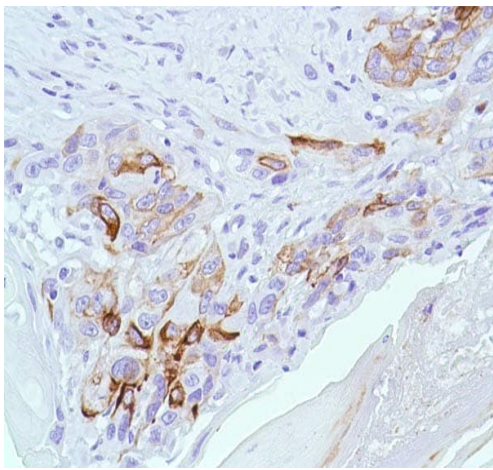
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



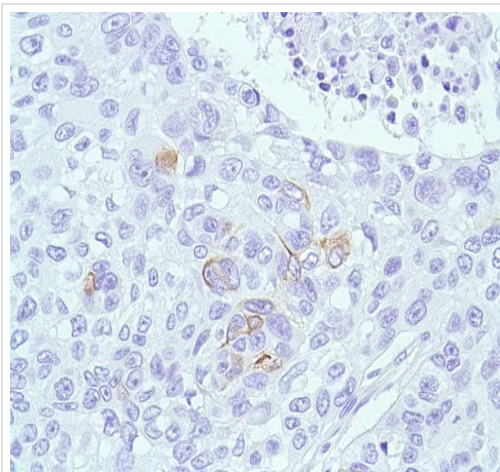
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



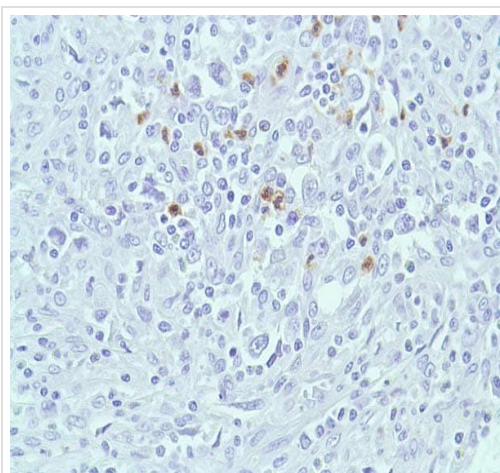
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bax antibody [SP47] (ab81083)

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

### 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 [SP47] (ab81083)



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

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