

Datasheet for ABIN6655295  
**anti-BAX antibody (Internal Region)**



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4 Images

## Overview

Quantity:	100 µL
Target:	BAX
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BAX antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	BAX Antibody
Immunogen:	This monoclonal antibody was produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human BAX protein. The hybridoma was produced by fusing New Zealand White rabbit splenocytes and myeloma cells using conventional technology.
Clone:	SP47
Isotype:	IgG
Cross-Reactivity (Details):	This antibody is specific for human BAX protein.
Purification:	This product was purified from concentrated tissue culture supernate by Protein A/G chromatography.

## Product Details

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Sterility: Sterile filtered

## Target Details

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Target: BAX

Alternative Name: BAX ([BAX Products](#))

Background: Synonyms: BAX Bcl-2-like protein 4 BCL2L4  
Background: BAX, also known as Bcl-2-like protein 4 and BCL2L4 is known to accelerates programmed cell death by binding to, and antagonizing the apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein. BAX induces the release of cytochrome c, activation of CASP3, and thereby apoptosis. BAX protein is 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. Isoform alpha is considered to be the 'canonical' sequence.  
Gene Name: BAX

Gene ID: 581

NCBI Accession: [NP\\_001278357](#)

UniProt: [Q07812](#)

Pathways: [p53 Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

## Application Details

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Application Notes: ELISA\_Dilution: 1:20,000  
Immunohistochemistry\_Dilution: 1:50  
Flow\_Cytometry\_Dilution: 1:100  
Western\_Blots\_Dilution: 1:500 - 1:2,000  
Other: User Optimized

Comment: This monoclonal antibody is tested for IHC and suitable for ELISA and western blotting. Specific

## Application Details

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conditions for reactivity should be optimized by the end user. Expect a band approximately 21 kDa in size corresponding to BAX protein by western blotting in the appropriate cell lysate or extract. BAX is found in normal breast tissue as a cytoplasmic protein and also at the cell membrane. For immunohistochemistry, samples should be formalin fixed and paraffin embedded. Deparaffinize slides using xylene or xylene alternatives and graded alcohols. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  
Preservative: 0.1 % (w/v) Sodium Azide

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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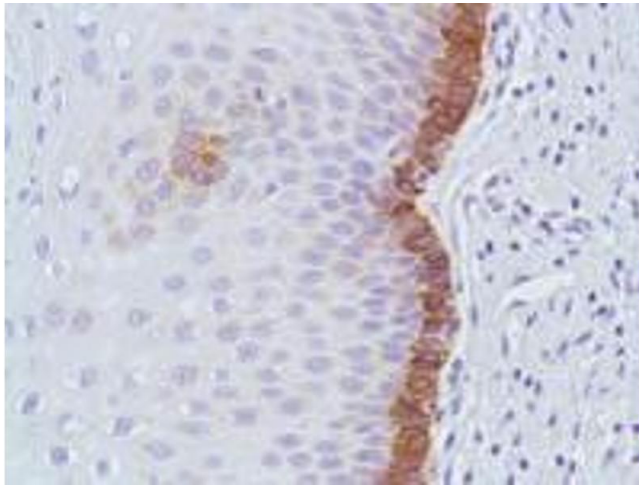
Storage: 4 °C

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Storage Comment: Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. Contains 1% BSA.

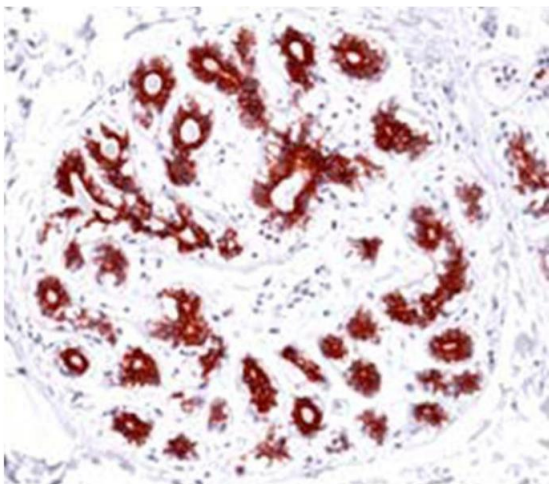
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Expiry Date: 12 months



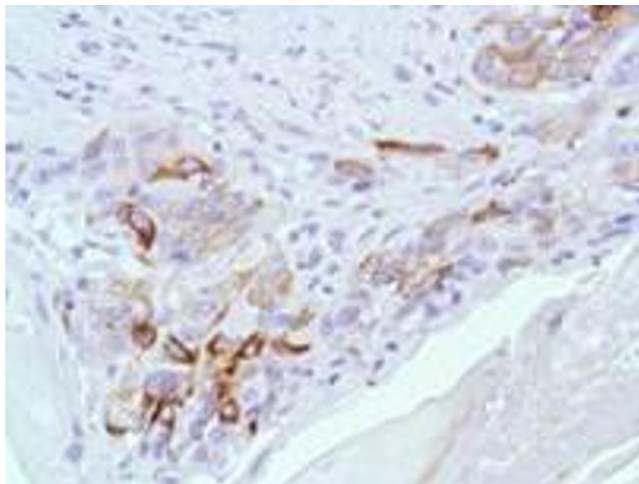
#### Immunohistochemistry

**Image 1.** Anti-BAX monoclonal antibody-Immunohistochemistry anti-BAX monoclonal antibody (Rabbit) was used to detect BAX in Human Cervix tissue. Tissue was formalin-fixed and paraffin embedded. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min. The primary antibody was diluted 1:50 and reacted with tissue for 30 min at RT.



#### Immunohistochemistry

**Image 2.** Anti-BAX Monoclonal Antibody - Immunohistochemistry anti-BAX monoclonal antibody (Rabbit) was used to detect BAX in normal human breast tissue. Tissue was formalin-fixed and paraffin embedded. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min. The primary antibody was diluted 1:50 and reacted with tissue for 30 min at RT.



#### Immunohistochemistry

**Image 3.** Anti BAX Monoclonal Antibody - Immunohistochemistry anti-BAX monoclonal antibody (Rabbit) was used to detect BAX in Human Skin Squamous Cell Carcinoma. Tissue was formalin-fixed and paraffin embedded. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min. The primary antibody was diluted 1:50 and reacted with tissue for 30 min at RT.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6655295.