

**Datasheet for 200-C01-B34****BAX Antibody****Overview**

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| <b>Description:</b>  | Anti-BAX (RABBIT) Monoclonal Antibody - 200-C01-B34 |
| <b>Item No.:</b>     | 200-C01-B34                                         |
| <b>Size:</b>         | 100 µL                                              |
| <b>Applications:</b> | IHC                                                 |
| <b>Reactivity:</b>   | Human                                               |
| <b>Host Species:</b> | Rabbit                                              |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Background:</b>   | 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. |
| <b>Synonyms:</b>     | BAX<br>Bcl-2-like protein 4<br>BCL2L4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clonality:</b>    | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clone ID:</b>     | SP47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                   |     |
|-------------------|-----|
| <b>Gene Name:</b> | BAX |
|-------------------|-----|

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>         | Human                                                                                                                                                                                                                                                                         |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                                                                                                                            |
| <b>Immunogen:</b>          | 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. |
| <b>Purity/Specificity:</b> | This product was purified from concentrated tissue culture supernate by Protein A/G chromatography. This antibody is specific for human BAX protein. Cross-reactivity with BAX protein from other sources has not been determined.                                            |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">NCBI - NP_001278357.1</a></li><li>• <a href="#">UniProtKB - Q07812</a></li><li>• <a href="#">GeneID - 581</a></li></ul>                                                                                                   |

## Application Details

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| <b>Tested Applications:</b> | IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application Note:</b>    | This monoclonal antibody is tested for IHC and suitable for ELISA and western blotting. Specific 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. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ELISA:</b>               | 1:20,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>FC:</b>                  | 1:100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>IHC:</b>                 | 1:50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>WB:</b>                  | 1:500 – 1:2,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

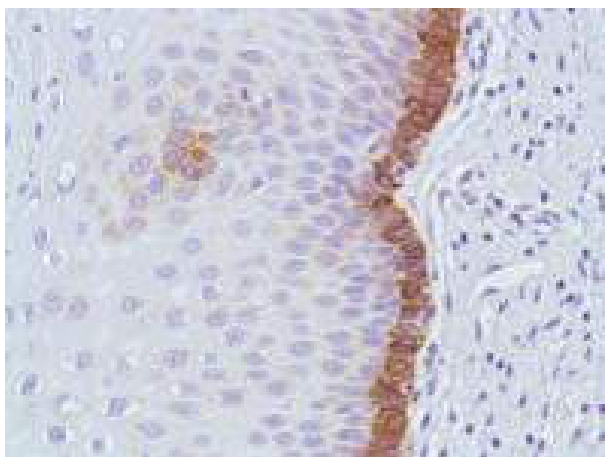
## Formulation

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                              |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>   | 0.1% (w/v) Sodium Azide                                                |
| <b>Stabilizer:</b>     | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |

## Shipping & Handling

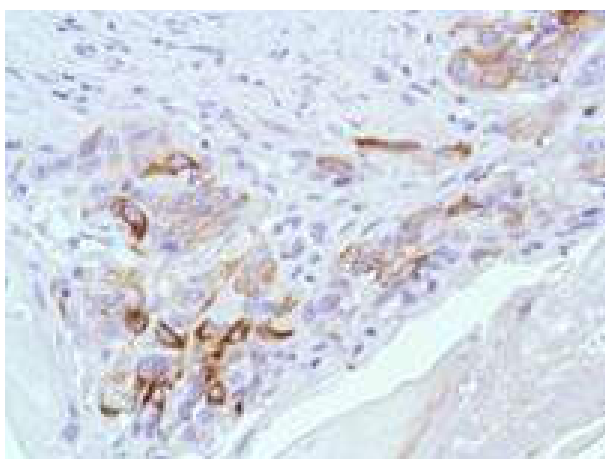
|                            |                                                                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                 |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                   |

## Images



### Immunohistochemistry

Rockland's 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.

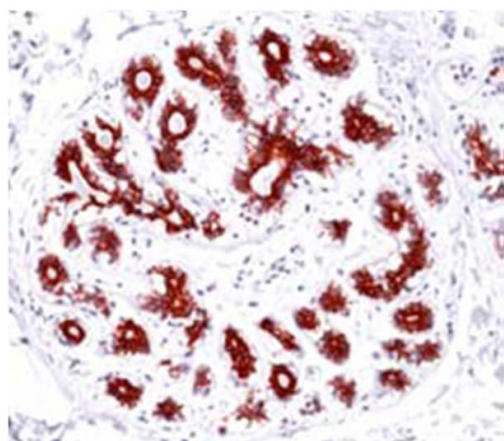


### Immunohistochemistry

Rockland's 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.

**Immunohistochemistry**

Rockland's anti-BAX monoclonal antibody (Rabbit) was used to detect BAX in human esophagus. 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**

Rockland's 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.

**Disclaimer**

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