

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

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

Product Details

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.
Synonyms:	BAX Bcl-2-like protein 4 BCL2L4
Host Species:	Rabbit
Clonality:	Monoclonal
Clone ID:	SP47
Format:	IgG

Target Details

Gene Name:	BAX
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Reactivity:	Human
Immunogen Type:	Conjugated Peptide
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.
Purity/Specificity:	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.
Relevant Links:	• NCBI - NP_001278357.1 • UniProtKB - Q07812 • GeneID - 581

Application Details

Tested Applications:	IHC
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
FC:	1:100
IHC:	1:50
WB:	1:500 – 1:2,000

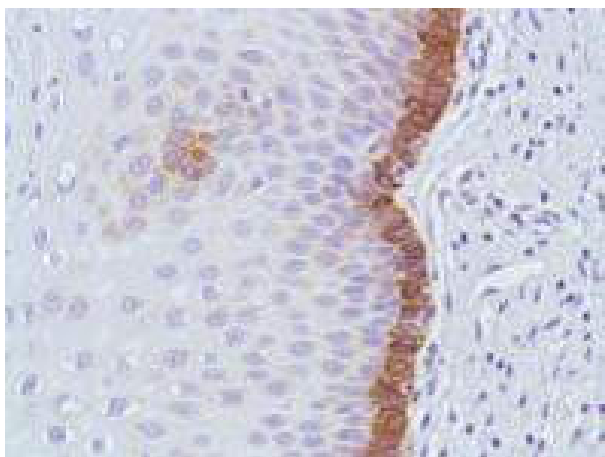
Formulation

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

Shipping & Handling

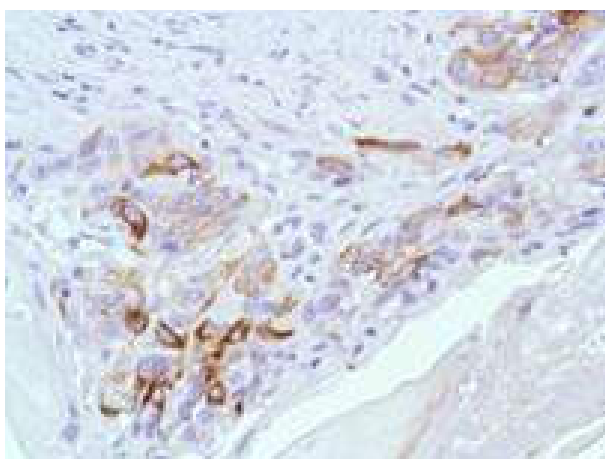
Shipping Condition:	Wet Ice
Storage Condition:	Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. Contains 1% BSA.
Expiration:	Expiration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

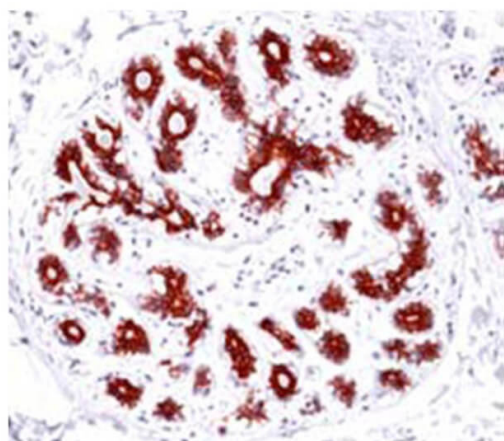


Immunohistochemistry

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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.