



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Rabbit Anti-Human BAX

With HRP-conjugated Secondary Antibody

Catalog No.
DS-PB-00233

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Immunogen: Synthetic peptide, CPELALDPVPQDASTKKLSE, corresponding to amino acids 43-61 of human BAX.

Purification: Antisera to human BAX was raised by repeated immunisation of rabbits with highly purified antigen.

Formulation

Product Type: Polyclonal Antibody

Product Form: Serum - liquid

Preservative Stabilizers: 0.09% Sodium Azide

Specificity

DS-PB-00233 recognizes the human BAX protein, a proapoptotic member of the Bcl-2 family. BAX accelerates programmed cell death by binding to and antagonizing the apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein. It also induces the release of cytochrome C, activation of CASP3 and thereby apoptosis. Defects in BAX are found in some cell lines from hematopoietic malignancies as T-cell acute lymphoblastic leukemia, Burkitt lymphoma, and plasmacytoma.

BAX migrates as a 21kD band in western blotting applications.

Species Crossreactivity: Does not react with Mouse

Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of shipment

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			.	
Immunohistology - Frozen			.	
Immunohistology - Paraffin(1)	.			1/1000 - 1/2000
Immunohistology - Resin			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

- (1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Histology positive control is Normal Breast Tissue
(2) Recognizes a 21 kDa band in western blotting using cell lysates from either normal breast tissue or MCF-7 cells.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

References

1. Krajewski, S. *et al.* (1995) Reduced expression of proapoptotic gene BAX is associated with poor response rates to combination chemotherapy and shorter survival in women with metastatic breast adenocarcinoma. *Cancer Res.* 55: 4471-4478.

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