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Datasheet for 200-401-Z19

BAD Antibody

Overview

Description:	Anti-BAD (RABBIT) Antibody - 200-401-Z19
Item No.:	200-401-Z19
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Members in the Bcl-2 family are critical regulators of apoptosis by either inhibiting or promoting cell death. Bcl-2 homology 3 (BH3) domain containing pro-apoptotic proteins, such as Bax, Bid, and Bik, form a growing subclass of the Bcl-2 family. Another such protein is the Bcl-2-antagonist of cell death (Bad). Bad regulates apoptosis by forming heterodimers with anti-apoptotic proteins Bcl-2 and Bcl-xL, thereby preventing them from binding with Bax. Bad activity is regulated by its phosphorylation; it is inactivated by kinases such as Akt and MAP kinase and thus promotes cell survival, whereas JNK-induced phosphorylation promotes the apoptotic role of Bad.
Synonyms:	BAD Antibody, BBC2, BCL2L8, BBC6, Bcl2 antagonist of cell death, Bcl-2-binding component 6, BAD
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BAD
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Bad antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 15 amino acids near the C-terminus of human Bad.

Purity/Specificity:	Anti-BAD Antibody is purified by ion exchange chromatography. Cross reactivity with BAD from other sources has not been determined.
Relevant Links:	• UniProtKB - Q92934 • GeneID - 572 • NCBI - NP_004313.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BAD Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 18 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000-1:20,000
IF:	10 µg/mL
IHC:	2 µg/mL
WB:	0.5 - 2 µg/mL

Formulation

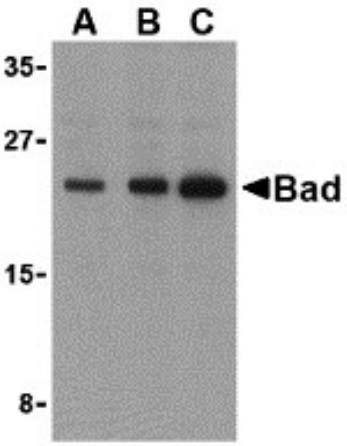
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

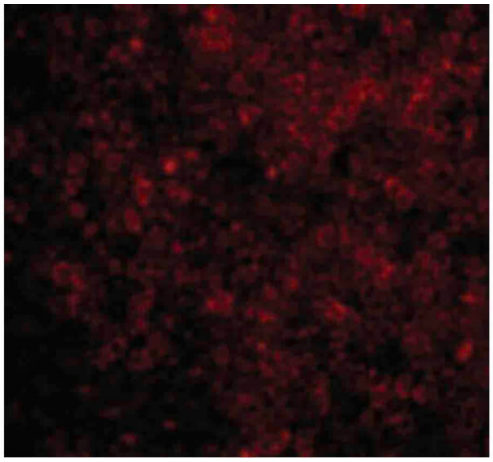
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

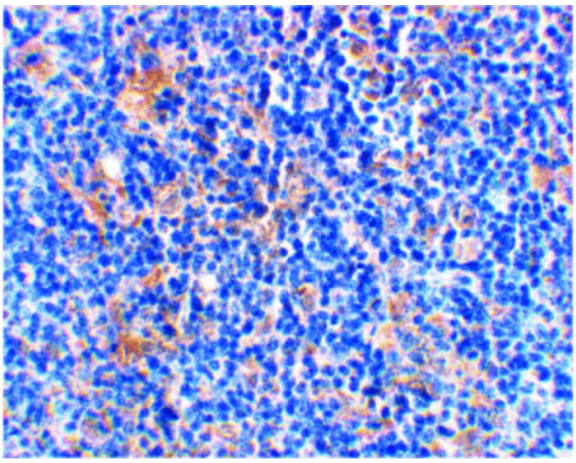
Images



Western Blot
Western blot analysis of Bad in T24 cell lysates with Bad antibody at (A) 0.5, (B) 1, and (C) 2 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of BAD antibody. Cell Type: rat thymus cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: BAD antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BAD is located in the cytoplasm, cell membrane, mitochondrion, and the mitochondrial outer membrane. Staining: BAD as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of BAD antibody. Tissue: rat thymus tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BAD antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BAD is located in the cytoplasm, cell membrane, mitochondria, and mitochondrial outer membrane. Staining: BAD is stained with toluidine blue.

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.