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Datasheet for 600-401-Z69

BIM Antibody

Overview

Description:	Anti-BIM (RABBIT) Antibody - 600-401-Z69
Item No.:	600-401-Z69
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 is a potent death domain. BH3 domain containing pro-apoptotic proteins, including Bad, Bax, Bid, Bik, and Hrk, form a growing subclass of the Bcl-2 family. A novel BH3 domain containing protein was recently identified and designated Bim or BOD in human, mouse and rat. Bim/BOD interacts with diverse members in the pro-survival Bcl-2 sub-family including Bcl-2, Bcl-xL and Bcl-w. Bim/BOD induces apoptosis. The messenger RNA of Bim is ubiquitously expressed in multiple tissues and cell lines.
Synonyms:	Bim Antibody, BAM, BIM, BOD, Bcl-2-like protein 11, Bcl2-interacting mediator of cell death, Bcl2-L-11, BCL2L11
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCL2L11
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Bim antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to 20 amino acids near the amino terminus of human BIM. The immunogen is located within the first 50 amino acids of BIM.

Purity/Specificity:	Anti-Bim Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Bim from other sources has not been determined.
Relevant Links:	• UniProtKB - O43521 • GeneID - 10018 • NCBI - NP_619527

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Bim Antibody has been tested for use in ELISA, Western Blotting, Immunofluorescence, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 22 kDa in Western Blots of specific cell lysates and tissues. Positive controls used are HEK293 cells, HeLa cells, Daudi cells, and MOLT4 cells.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	20 µg/mL
WB:	0.5 µg/mL

Formulation

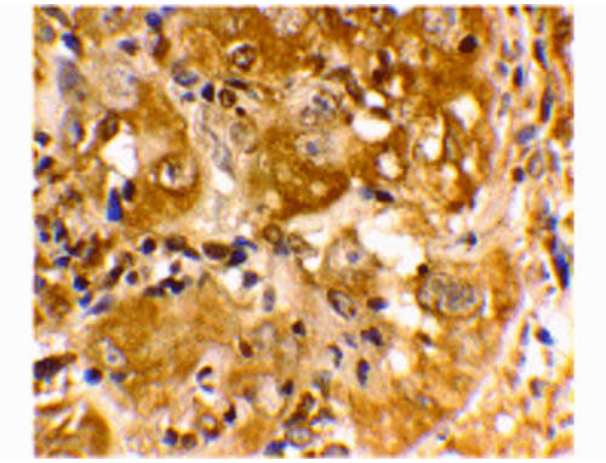
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

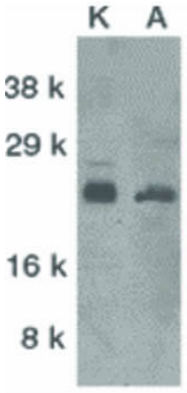
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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



Immunohistochemistry
Immunohistochemistry of Bim antibody. Tissue: Human skin cancer. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Bim antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Bim is mitochondrial and endomembranal. Staining: Bim as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot
Western Blot of Bim antibody. Lane 1: K562 whole cell lysate. Lane 2: A549 whole cell lysate. Load: 35 µg per lane. Primary antibody: Bim antibody at 1:400 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 22.2 kDa, 24 kDa for Bim. Other band(s): Bim splice variants and isoforms.

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