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Datasheet for 600-401-Z42

BCL10 Antibody

Overview

Description:	Anti-BCL10 (RABBIT) Antibody - 600-401-Z42
Item No.:	600-401-Z42
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Apoptosis is related to many diseases including cancer. Cell death signals are transduced by death domain (DD) and caspase recruitment domain (CARD) containing molecules and a caspase family of proteases. CARD containing cell death regulators include ARC, RAIDD, Apaf-1, caspase-9, and caspase-2. A novel CARD containing protein was recently identified by several groups and designated Bcl10, CIPER, mE10, CARMEN, CLAP. Bcl10 is a cellular homolog of the equine herpesvirus-2 E-10 gene. Overexpression of Bcl10 induces JNK, p38, and NF-kB activation. Bcl10 interacts with caspase-9 and enhances pro-caspase-9 processing and induces apoptosis through caspase-9 activation. Bcl10 exhibits a variety of mutations in MALT lymphomas and in B and T cell lineage lymphomas indicating that it may be commonly involved in the pathogenesis of human malignancy. Bcl10 is expressed in many human and murine tissues and cell lines.
Synonyms:	Bcl-10 Antibody, CLAP, mE10, CIPER, c-E10, CARMEN, CLAP, CARD-containing molecule enhancing NF-kappa-B, Bcl-10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCL10
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Bcl10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the N-terminus of human Bcl10.
Purity/Specificity:	Anti-Bcl-10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Bcl-10 from other sources has not been determined.
Relevant Links:	• UniProtKB - O95999 • GeneID - 8915 • NCBI - AF134395

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Bcl-10 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	10 µg/mL
IHC:	User Optimized
IP:	User Optimized
WB:	1-2 µg/mL

Formulation

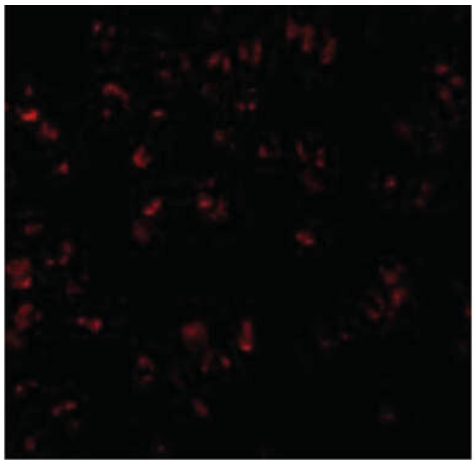
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

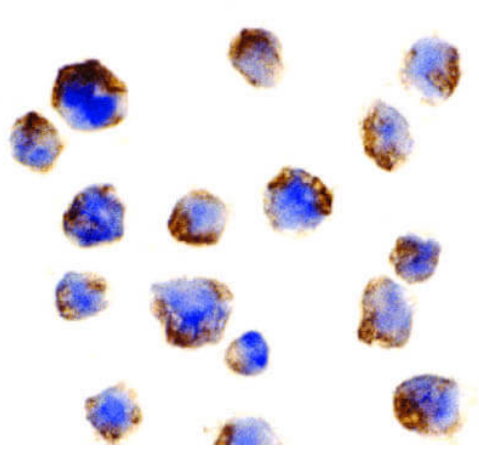
Shipping Condition:	Dry Ice

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.

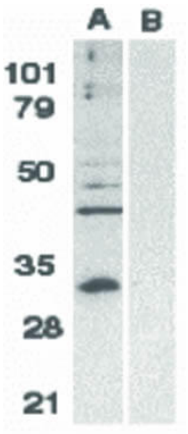
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Bcl-10 antibody. Tissue: Raji cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Bcl-10 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: Bcl-10 is cytoplasmic and occasionally nuclear. Staining: E2F-1 pS364 as red fluorescent signal.



Immunocytochemistry
Immunocytochemistry of Bcl-10 Cells: Raji cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Bcl-10 antibody at 1 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Bcl-10 is cytoplasmic and occasionally nuclear. Staining: Bcl-10 as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot

Western Blot of Bcl-10 antibody. Lane 1: Raji whole cell lysate. Lane 2: Raji whole cell lysate in the presence of blocking peptide. Load: 35 µg per lane. Primary antibody: Bcl-10 antibody at 1:500 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: 26.3 kDa, 31 kDa for Bcl-10 Other band(s): Bcl-10 splice variants and isoforms.

Disclaimer

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