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Datasheet for 600-401-Z59

BFL1 Antibody

Overview

Description:	Anti-BFL1 (RABBIT) Antibody - 600-401-Z59
Item No.:	600-401-Z59
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells and is caused by caspase activation. Proteins that comprise the Bcl-2 family appear to control the activation of these enzymes. One such member is multi-domain antiapoptotic protein Bfl-1, which is overexpressed in stomach and other cancers. Bfl-1 can interact with Bax and suppress apoptosis by inhibiting the release of cytochrome c and caspase-3 activation. It is upregulated in cisplatin-resistant human bladder tumors, suggesting that its expression may be important for cisplatin resistance and inhibition of apoptosis in cancer cells. At least two isoforms of Bfl-1 are known to exist.
Synonyms:	Bfl-1 Antibody, GRS, BFL1, ACC-1, ACC-2, HBPA1, BCL2L5, GRS, Bcl-2-related protein A1, Bcl-2-like protein 5, Bcl2-L-5, BCL2A1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BCL2A1
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Bfl-1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the C-terminus of human Bfl-1.

Purity/Specificity:	Anti-Bfl-1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Bfl-1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q16548 • GeneID - 597 • NCBI - NP_004040

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Bfl-1 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 20 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:	20 µg/mL
IHC:	10 µg/mL
WB:	0.5 - 2 µg/mL

Formulation

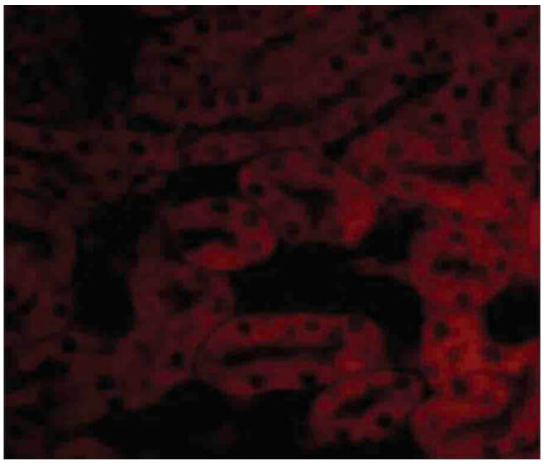
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by Refractometry
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

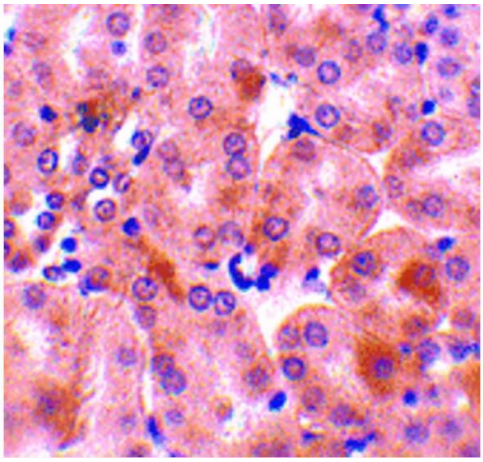
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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

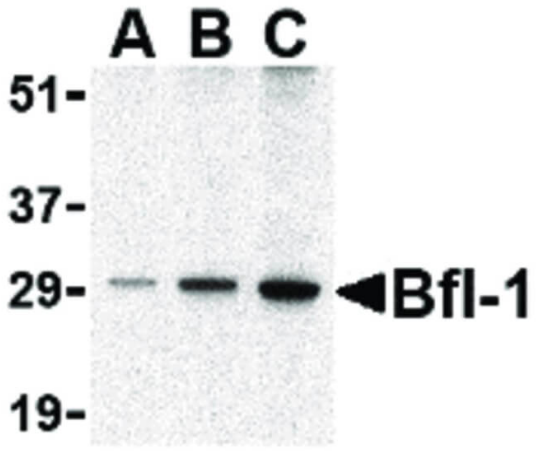
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Bfl-1 antibody. Cell Type: Mouse kidney cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Bfl-1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Bfl-1 is cytoplasmic. Staining: Bfl-1 as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of Bfl-1 antibody. Tissue: mouse kidney tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Bfl-1 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Bfl-1 is cytoplasmic. Staining: Bfl-1 is stained with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of Bfl-1 antibody in human kidney tissue lysate. Lane A: Bfl-1 antibody at 0.5 µg/mL. Lane B: Bfl-1 antibody at 1 µg/mL. Lane C: Bfl-1 antibody at 2 µg/mL. Load: 35 µg per lane. Primary antibody: Bfl-1 antibody at designated concentrations 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: 20 kDa, 29 kDa for Bfl-1. Other band(s): Bfl-1 splice variants and isoforms.

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