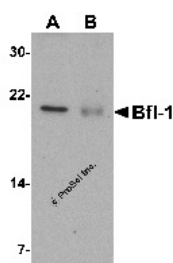




Bfl-1 Antibody

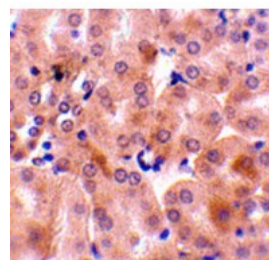
CATALOG NUMBER: 3873



Western blot analysis of Bfl-1 in (A) human kidney and (B) human lung tissue lysate with Bfl-1 antibody at 1 ug/mL.



Immunofluorescence of Bfl-1 in Mouse Kidney tissue with Bfl-1 antibody at 20 ug/mL.



Immunohistochemistry of Bfl-1 in mouse kidney tissue with Bfl-1 antibody at 10 ug/mL.

Specifications

SPECIES REACTIVITY:	Human, Mouse
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Bovine: (92%)
TESTED APPLICATIONS:	ELISA, IF, IHC-P, WB
APPLICATIONS:	Bfl-1 antibody can be used for the detection of Bfl-1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1305 - Human Kidney Tissue Lysate 2) Cat. No. 1405 - Mouse Kidney Tissue Lysate 3) Cat. No. 1302 - Human Lung Tissue Lysate
PREDICTED MOLECULAR WEIGHT:	Predicted: 19 kDa Observed: 20 kDa
SPECIFICITY:	At least two isoforms of Bfl-1 are known to exist; this antibody will only detect the larger isoform.
IMMUNOGEN:	Bfl-1 antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Bfl-1. The immunogen is located within the last 50 amino acids of Bfl-1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Bfl-1 Antibody is affinity chromatography purified via peptide column.
PHYSICAL STATE:	Liquid
BUFFER:	Bfl-1 Antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	Bfl-1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	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
ACCESSION NO.:	NP_004040
PROTEIN GI NO.:	4757840
OFFICIAL SYMBOL:	BCL2A1
GENE ID:	597

Background

BACKGROUND:	Bfl-1 Antibody: 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.
REFERENCES:	<p>1) Lockshin RA, Osborne B, and Zakeri Z. Cell death in the third millennium. <i>Cell Death Differ.</i> 2000; 7:2-7.</p> <p>2) Choi SS, Park IC, Yun JW, et al. A novel Bcl-2 related gene, Bfl-1, is overexpressed in stomach cancer and preferentially expressed in bone marrow. <i>Oncogene</i> 1995; 11:1693-8.</p> <p>3) Kim JK, Kim KD, Lee E, et al. Up-regulation of Bfl-1/A1 via NF-κB activation in cisplatin-resistant human bladder cancer cell line. <i>Cancer Lett.</i> 2004; 212:61-70.</p> <p>4) Zhang H, Cowan-Jacob SW, Simonen M, et al. Structural basis of BFL-1 for its interaction with BAX and its anti-apoptotic action in mammalian and yeast cells. <i>J. Biol. Chem.</i> 2000; 275:11092-9.</p>

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December 12, 2016