Datasheet for ABIN968152

anti-BCL2L1 antibody (AA 18-233)

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Overview

Quantity:	50 µg
Target:	BCL2L1
Binding Specificity:	AA 18-233
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BCL2L1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Human Bcl-xl aa. 18-233
Clone:	44-Bcl
Isotype:	IgG1
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	BCL2L1
Alternative Name:	Bcl-x (BCL2L1 Products)
Background:	Bcl-x is related to the Bcl-2 protein and can function independently of Bcl-2 in regulating apoptosis (programmed cell death). The bcl-x transcript is expressed in a number of tissues, with the highest levels in the lymphoid and central nervous systems. Two distinct cDNA species, bcl-xL and bcl-xS, have been observed and appear to arise from alternate 5' splice sites located within the first coding exon of the bcl-x gene. Bcl-xL is composed of 233 amino acids and is similar in size and structure to Bcl-2. The Bcl-xS polypeptide shows a deletion of 63 amino acids which consist of the region of Bcl-xL with the highest degree of amino acid identity to Bcl-2. Like Bcl-2, Bcl-xL inhibits cell death upon growth factor withdrawal when transfected into an IL-3-dependent cell line. However, Bcl-xS inhibits Bcl-2 mediated cell survival.
Molecular Weight:	26 kDa
Pathways:	Apoptosis, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Comment:	Related Products: ABIN968536, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.

Publications

Product cited in:

Devarajan, De Leon, Talasazan, Schoenfeld, Davidowitz, Burk: "The von Hippel-Lindau gene product inhibits renal cell apoptosis via Bcl-2-dependent pathways." in: **The Journal of biological chemistry**, Vol. 276, Issue 44, pp. 40599-605, (2001) (PubMed).

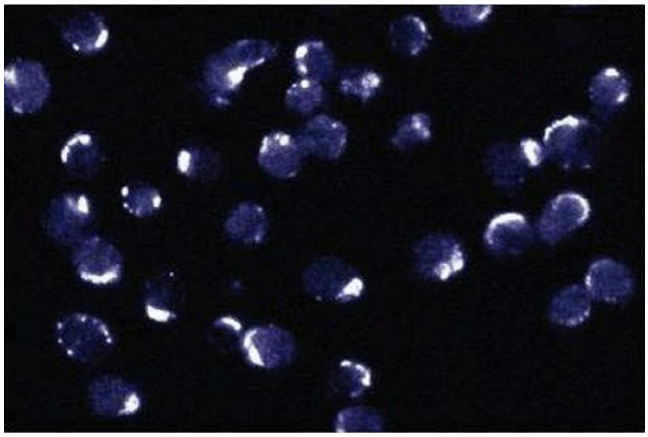
Oetzel, Jonuleit, Götz, van der Kuip, Michels, Duyster, Hallek, Aulitzky: "The tyrosine kinase inhibitor CGP 57148 (ST1 571) induces apoptosis in BCR-ABL-positive cells by down-regulating BCL-X." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 6, Issue 5, pp. 1958-68, (2000) (PubMed).

Soini, Kinnula, Kaarteenaho-Wiik, Kurttila, Linnainmaa, Pääkkö: "Apoptosis and expression of apoptosis regulating proteins bcl-2, mcl-1, bcl-X, and bax in malignant mesothelioma." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 5, Issue 11, pp. 3508-15, (2000) (PubMed).

Kishimoto, Sprent: "Strong TCR ligation without costimulation causes rapid onset of Fas-dependent apoptosis of naive murine CD4+ T cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 163, Issue 4, pp. 1817-26, (1999) (PubMed).

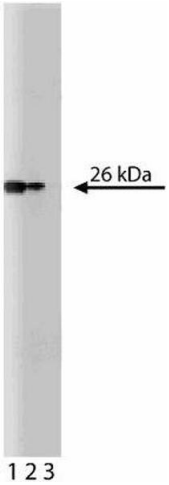
Anderson, Teutsch, Dong, Wortis: "An essential role for Bruton's [corrected] tyrosine kinase in the regulation of B-cell apoptosis." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 93, Issue 20, pp. 10966-71, (1996) (PubMed).

Images



Immunofluorescence

Image 1. Immunofluorescent staining of Jurkat cells.



Western Blotting

Image 2. Western blot analysis of Bcl-x on human endothelial cell lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of anti-Bcl-x.