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Bcl-2 Antibody (Center Ser70)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20322c

Product Information

Application	WB, E
Primary Accession	P10415
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42026
Calculated MW	26266
Antigen Region	49-76

Additional Information

Gene ID	596
Other Names	Apoptosis regulator Bcl-2, BCL2
Target/Specificity	This Bcl-2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-76 amino acids from the Central region of human Bcl-2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Bcl-2 Antibody (Center Ser70) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

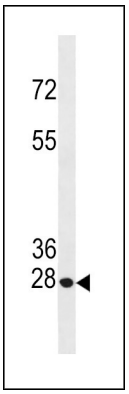
Name	BCL2
Function	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed:1508712, PubMed:8183370). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed:11368354). Appears to function in a feedback loop system with caspases (PubMed:11368354). Inhibits caspase activity either by preventing

	the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PubMed:11368354). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function (PubMed:18570871, PubMed:20889974, PubMed:21358617). May attenuate inflammation by impairing NLRP1- inflammasome activation, hence CASP1 activation and IL1B release (PubMed:17418785).
Cellular Location	Mitochondrion outer membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:P10417}
Tissue Location	Expressed in a variety of tissues.

Background

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1).

Images



Bcl-2 Antibody (Center Ser70) (Cat. #AP20322c) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the Bcl-2 (Ser70) antibody detected the Bcl-2 (Ser70) protein (arrow).

Citations

- The Role of MiR-5094 as a Proliferation Suppressor during Cellular Radiation Response via Downregulating STAT5b