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Anti-BCL2 Antibody

Catalog # AP95697

Product Information

Application	WB, FC
Primary Accession	P10415
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	26266

Additional Information

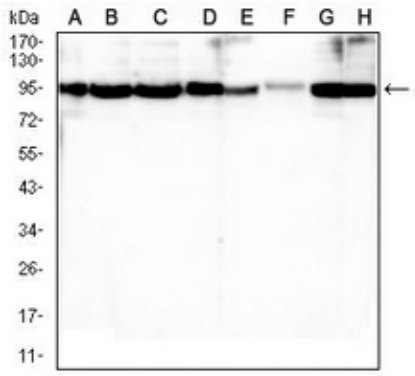
Gene ID	596
Other Names	Apoptosis regulator Bcl-2
Target/Specificity	Recombinant fusion protein of human BCL2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

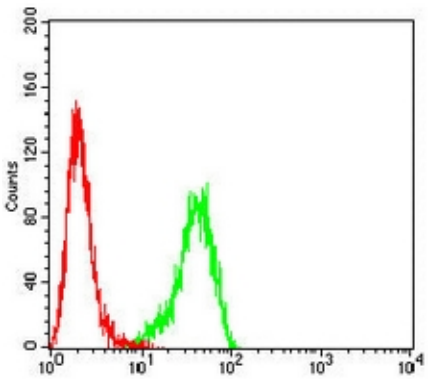
Name	BCL2
Function	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed:1508712, PubMed:8183370). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed:11368354). Appears to function in a feedback loop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

Images



Western blot analysis of BCL2 expression in Raji (A), MCF7 (B), Jurkat (C), A549 (D), HEK293 (E), T47D (F), Hela (G), C6 (H) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 95 kD)



Flow cytometric analysis of THP1 cells using Anti-BCL2 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.