

BCL2 (Phospho-Ser70) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP52614

Product Information

Application	WB
Primary Accession	P10415
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26266

Additional Information

Gene ID	596
Other Names	Apoptosis regulator Bcl-2, BCL2
Dilution	WB~~1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20°C

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).

References

Tsujimoto Y.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:5214-5218(1986).

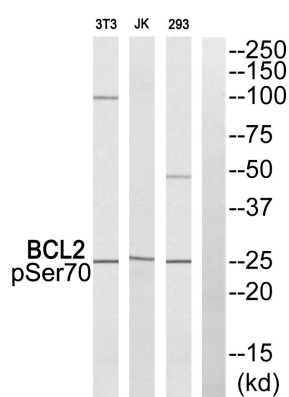
Eguchi Y.,et al.Nucleic Acids Res. 20:4187-4192(1992).

Cleary M.L.,et al.Cell 47:19-28(1986).

Seto M.,et al.EMBO J. 7:123-131(1988).

Hua C.,et al.Oncogene Res. 2:263-275(1988).

Images



Western blot analysis of extracts from 293 cells. Jurkat cells and NIH/3T3 cells all treated with Paclitaxel, using BCL2 (Phospho-Ser70) antibody.

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