

**BCL2 (Phospho-Ser70) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP52614****Specification**

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**BCL2 (Phospho-Ser70) Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P10415</a> |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

**BCL2 (Phospho-Ser70) Antibody - Additional Information****Gene ID** 596**Other Names**

Apoptosis regulator Bcl-2, BCL2

**Dilution**

WB~~1:1000

**Format**Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

**BCL2 (Phospho-Ser70) Antibody - Protein Information****Name** BCL2**Function**

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed:<[a href="http://www.uniprot.org/citations/1508712" target="\\_blank">1508712](http://www.uniprot.org/citations/1508712)>, PubMed:<[a href="http://www.uniprot.org/citations/8183370" target="\\_blank">8183370](http://www.uniprot.org/citations/8183370)>). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed:<[a href="http://www.uniprot.org/citations/11368354" target="\\_blank">11368354](http://www.uniprot.org/citations/11368354)>). Appears to function in a feedback loop system with caspases (PubMed:<[a href="http://www.uniprot.org/citations/11368354" target="\\_blank">11368354](http://www.uniprot.org/citations/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:<[a href="http://www.uniprot.org/citations/11368354" target="\\_blank">11368354](http://www.uniprot.org/citations/11368354)>). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function (PubMed:<[a href="http://www.uniprot.org/citations/18570871" target="\\_blank">18570871](http://www.uniprot.org/citations/18570871)>, PubMed:<[a href="http://www.uniprot.org/citations/20889974" target="\\_blank">20889974](http://www.uniprot.org/citations/20889974)>, PubMed:<[a href="http://www.uniprot.org/citations/21358617" target="\\_blank">21358617](http://www.uniprot.org/citations/21358617)>). May attenuate inflammation by impairing NLRP1-

inflammasome activation, hence CASP1 activation and IL1B release (PubMed:<a href="http://www.uniprot.org/citations/17418785" target="\_blank">17418785</a>).

#### 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

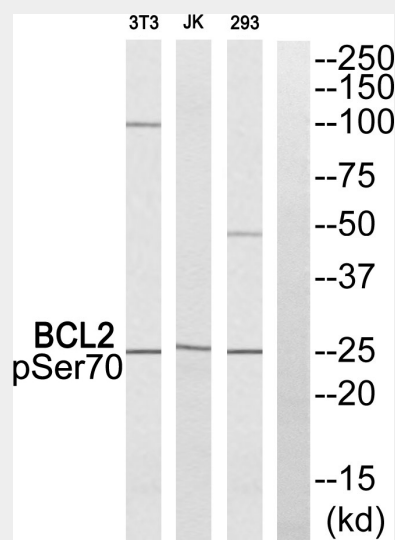
Expressed in a variety of tissues.

### BCL2 (Phospho-Ser70) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### BCL2 (Phospho-Ser70) Antibody - Images



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

### BCL2 (Phospho-Ser70) Antibody - 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).

**BCL2 (Phospho-Ser70) Antibody - 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).