

**BCL2 / Bcl-2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS14857****Specification**

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**BCL2 / Bcl-2 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P10415</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>26kDa KDa</b>

**BCL2 / Bcl-2 Antibody - Additional Information****Gene ID** 596**Other Names**

Apoptosis regulator Bcl-2, BCL2

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

BCL2 / Bcl-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**BCL2 / Bcl-2 Antibody - Protein Information****Name** BCL2**Function**

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed: [1508712](http://www.uniprot.org/citations/1508712), PubMed: [8183370](http://www.uniprot.org/citations/8183370)). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed: [11368354](http://www.uniprot.org/citations/11368354)). Appears to function in a feedback loop system with caspases (PubMed: [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: [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: [18570871](http://www.uniprot.org/citations/18570871), PubMed: [20889974](http://www.uniprot.org/citations/20889974), PubMed: [21358617](http://www.uniprot.org/citations/21358617)). May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release (PubMed:

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.

#### Volume

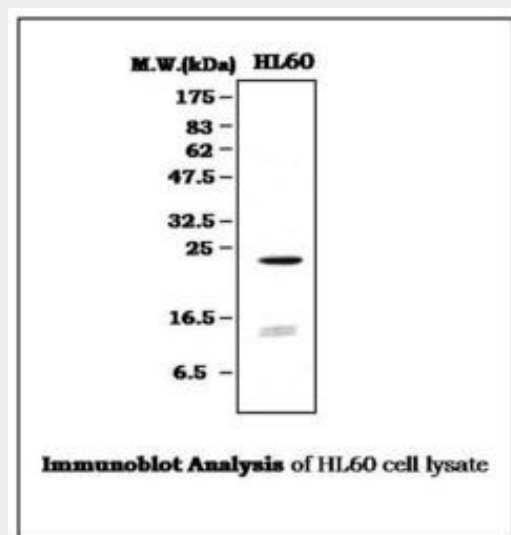
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### BCL2 / Bcl-2 Antibody - Protocols

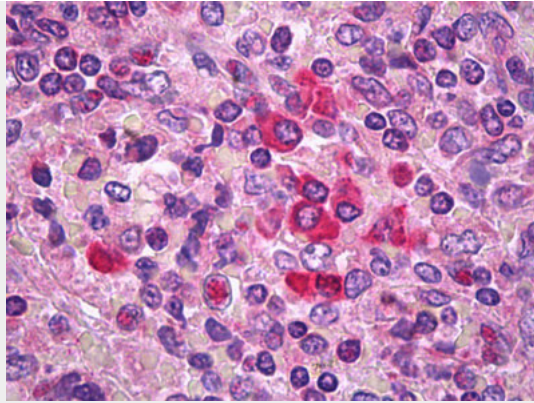
Provided below are standard protocols that you may find useful for product applications.

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

### BCL2 / Bcl-2 Antibody - Images



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Anti-BCL2 / Bcl-2 antibody IHC of human spleen, lymphocytes.

#### **BCL2 / Bcl-2 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 / Bcl-2 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).