

BCL2 / Bcl-2 Antibody (aa46-95)
Rabbit Polyclonal Antibody
Catalog # ALS14615**Specification**

BCL2 / Bcl-2 Antibody (aa46-95) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P10415
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

BCL2 / Bcl-2 Antibody (aa46-95) - Additional Information**Gene ID** 596**Other Names**

Apoptosis regulator Bcl-2, BCL2

Target/Specificity

BCL-2 (Ab-69) Antibody detects endogenous levels of total BCL-2 protein.

Reconstitution & Storage

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

Precautions

BCL2 / Bcl-2 Antibody (aa46-95) is for research use only and not for use in diagnostic or therapeutic procedures.

BCL2 / Bcl-2 Antibody (aa46-95) - 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.

Volume

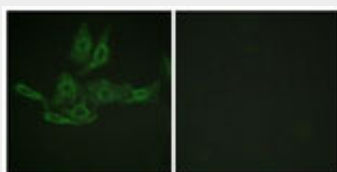
50 µl

BCL2 / Bcl-2 Antibody (aa46-95) - Protocols

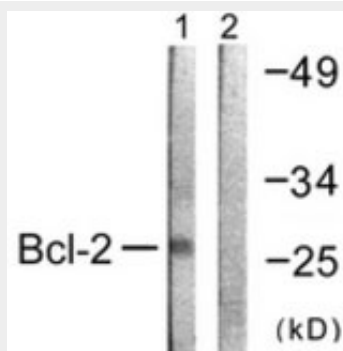
Provided below are standard protocols that you may find useful for product applications.

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

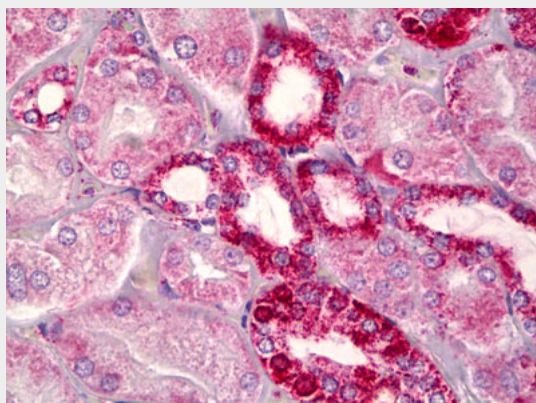
BCL2 / Bcl-2 Antibody (aa46-95) - Images



Immunofluorescence of HepG2 cells, using BCL-2 (Ab-69) Antibody.



Western blot of extracts from K562 cells, using BCL-2 (Ab-69) Antibody.



Anti-BCL2 / Bcl-2 antibody IHC of human kidney, tubules.

BCL2 / Bcl-2 Antibody (aa46-95) - 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 (aa46-95) - 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).