

Bcl-2 Antibody (Clone Bcl-2/100)
Mouse Monoclonal Antibody
Catalog # ABV10161**Specification**

Bcl-2 Antibody (Clone Bcl-2/100) - Product Information

Application	WB, IHC, IP
Primary Accession	P10415
Other Accession	M13994
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	26266

Bcl-2 Antibody (Clone Bcl-2/100) - Additional Information**Gene ID 596**

Application & Usage	Western blot (1-4 µg/ml), Immunoprecipitation, Immunohistochemistry, and Flow cytometry. However the optimal conditions should be determined individually. Recognize the 26 kDa human Bcl-2
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Other Names

BCL2, BCL 2

Target/Specificity

Bcl-2

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95%. The antibody was formulated in PBS containing 1 mg/ml BSA and 1.5 mM sodium azide and 50% glycerol

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Bcl-2 Antibody (Clone Bcl-2/100) is for research use only and not for use in diagnostic or therapeutic procedures.

Bcl-2 Antibody (Clone Bcl-2/100) - 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.

Bcl-2 Antibody (Clone Bcl-2/100) - 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](#)

Bcl-2 Antibody (Clone Bcl-2/100) - Images**Bcl-2 Antibody (Clone Bcl-2/100) - Background**

Bcl-2 (B-cell leukemia/lymphoma 2) gene was discovered by walking the chromosomal breakpoints t(14;18). This gene consists of two exons and several transcripts that encode two different protein

products, Bcl-2 α and Bcl-2 β . Both proteins are approximately 26-30 kDa and differ at their C-terminal region. Bcl-2 suppresses apoptosis (programmed cell death) and this property appears to be modulated by homodimerization or association with Bax and Bad, two cell death promoters