

Bcl-2 (phospho Thr56) Polyclonal Antibody
Catalog # AP66964**Specification****Bcl-2 (phospho Thr56) Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IF, IP
Primary Accession	P10415
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Bcl-2 (phospho Thr56) Polyclonal Antibody - Additional Information**Gene ID** 596**Other Names**

BCL2; Apoptosis regulator Bcl-2

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

IF~~1:50~200

IP~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Bcl-2 (phospho Thr56) Polyclonal 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: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

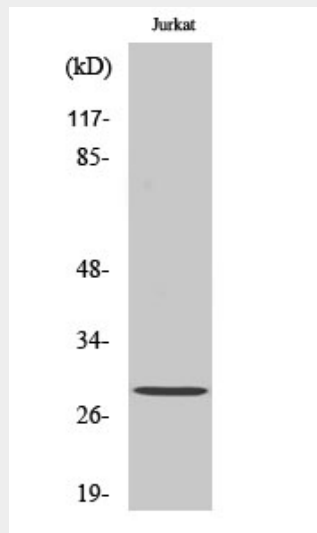
Expressed in a variety of tissues.

Bcl-2 (phospho Thr56) Polyclonal 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](#)

Bcl-2 (phospho Thr56) Polyclonal Antibody - Images



Bcl-2 (phospho Thr56) Polyclonal 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). May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release (PubMed:17418785).