10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

bcl-2 Antibody (Center S70) Blocking Peptide

Synthetic peptide
Catalog # BP19252c

Specification

bcl-2 Antibody (Center S70) Blocking Peptide - Product Information

Primary Accession P10415

bcl-2 Antibody (Center S70) Blocking Peptide - Additional Information

Gene ID 596

Other Names
Apoptosis regulator Bcl-2, BCL2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

bcl-2 Antibody (Center S70) Blocking Peptide - 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:21358617, PubMed:20889974). 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 (Center S70) Blocking Peptide - Protocols

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

- Blocking Peptides

bcl-2 Antibody (Center S70) Blocking Peptide - Images

bcl-2 Antibody (Center S70) Blocking Peptide - Background

This gene encodes an integral outer mitochondrial membraneprotein that blocks the apoptotic death of some cells such aslymphocytes. Constitutive expression of BCL2, such as in the caseof translocation of BCL2 to Ig heavy chain locus, is thought to bethe cause of follicular lymphoma. Two transcript variants, producedby alternate splicing, differ in their C-terminal ends. [providedby RefSeq].

bcl-2 Antibody (Center S70) Blocking Peptide - References

Feng, H., et al. Cancer Cell 18(4):353-366(2010)Azad, N., et al. Ann. N. Y. Acad. Sci. 1203, 1-6 (2010) :Dubikov, A.I., et al. Scand. J. Rheumatol. 39(5):368-372(2010)Yu, B., et al. J. Exp. Clin. Cancer Res. 29, 107 (2010) :Trisciuoglio, D., et al. PLoS ONE 5 (7), E11772 (2010) :