

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide
Synthetic peptide
Catalog # BP1305a

Specification

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide - Product Information

Primary Accession [O92843](#)

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide - Additional Information

Gene ID 599

Other Names

Bcl-2-like protein 2, Bcl2-L-2, Apoptosis regulator Bcl-W, BCL2L2, BCLW, KIAA0271

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1305a](/product/products/AP1305a) was selected from the region of human Bcl-w BH3 Domain. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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-w Antibody (BH3 Domain Specific) Blocking peptide - Protein Information

Name BCL2L2

Synonyms BCLW, KIAA0271

Function

Promotes cell survival. Blocks dexamethasone-induced apoptosis. Mediates survival of postmitotic Sertoli cells by suppressing death-promoting activity of BAX.

Cellular Location

Mitochondrion membrane; Peripheral membrane protein. Note=Loosely associated with the mitochondrial membrane in healthy cells. During apoptosis, tightly bound to the membrane

Tissue Location

Expressed (at protein level) in a wide range of tissues with highest levels in brain, spinal cord, testis, pancreas, heart, spleen and mammary glands. Moderate levels found in thymus, ovary and

small intestine. Not detected in salivary gland, muscle or liver. Also expressed in cell lines of myeloid, fibroblast and epithelial origin. Not detected in most lymphoid cell lines

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide - Images

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide - Background

Bcl-w is a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators. Expression of this gene in cells has been shown to contribute to reduced cell apoptosis under cytotoxic conditions. Studies of the related gene in mice indicated a role in the survival of NGF- and BDNF-dependent neurons. Mutation and knockout studies of the mouse gene demonstrated an essential role in adult spermatogenesis.

Bcl-w Antibody (BH3 Domain Specific) Blocking peptide - References

Denisov, A.Y., et al., J. Biol. Chem. 278(23):21124-21128 (2003).Hinds, M.G., et al., EMBO J. 22(7):1497-1507 (2003).Middleton, G., et al., Development 128(3):447-457 (2001).Ross, A.J., et al., Nat. Genet. 18(3):251-256 (1998).Gibson, L., et al., Oncogene 13(4):665-675 (1996).