10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

BCL2L11 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8553c

Specification

BCL2L11 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O43521

BCL2L11 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10018

Other Names
Bcl-2-like protein 11, Bcl2-L-11, Bcl2-interacting mediator of cell death, BCL2L11, BIM

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8553c was selected from the Center region of human BCL2L11. 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.

BCL2L11 Antibody (Center) Blocking Peptide - Protein Information

Name BCL2L11

BCL2L11 Antibody (Center) Blocking Peptide - Background

BCL2L11 belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and to act as an apoptotic activator.

BCL2L11 Antibody (Center) Blocking Peptide - References

Hippe,D.,et.al., J. Cell. Sci. 122 (PT 19), 3511-3521 (2009)Putcha,G.V., et.al., Neuron 38 (6), 899-914 (2003)

Synonyms BIM

Function
Induces apoptosis and anoikis. Isoform BimL is more potent than isoform BimEL. Isoform Bim-alpha1, isoform Bim-alpha2 and isoform Bim-alpha3 induce apoptosis, although less potent than isoform BimEL, isoform BimL and isoform BimS. Isoform Bim-gamma induces apoptosis. Isoform Bim-alpha3 induces apoptosis possibly through a caspase- mediated pathway. Isoform BimAC and isoform BimABC lack the ability to induce apoptosis.

Cellular Location
Endomembrane system; Peripheral membrane protein. Note=Associated with intracytoplasmic membranes. [Isoform BimL]: Mitochondrion. [Isoform Bim-alpha1]: Mitochondrion.

Tissue Location
Isoform BimEL, isoform BimL and isoform BimS are the predominant isoforms and are widely expressed with tissue-specific variation. Isoform Bim-gamma is most abundantly expressed in small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

BCL2L11 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides