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MCL1 Antibody (BH3 Domain Specific) Blocking peptide

Synthetic peptide
Catalog # BP1312a

Specification

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Product Information

Primary Accession Q07820

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Additional Information

Gene ID 4170

Other Names
Induced myeloid leukemia cell differentiation protein Mcl-1, Bcl-2-like protein 3, Bcl2-L-3, Bcl-2-related protein EAT/mcl1, mcl1/EAT, MCL1, BCL2L3

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1312a was selected from the region of human Mcl-1 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.

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Protein Information

Name MCL1

Synonyms BCL2L3

Function
Involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Mediates its effects by interactions with a number of other regulators of apoptosis. Isoform 1 inhibits apoptosis. Isoform 2 promotes apoptosis.

Cellular Location
Membrane; Single-pass membrane protein. Cytoplasm. Mitochondrion. Nucleus, nucleoplasm Note=Cytoplasmic, associated with mitochondria

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MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Protocols

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

- Blocking Peptides

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Images

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Background

The Mcl-1 protein belongs to the Bcl-2 family. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. The longer gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene product (isoform 2) promotes apoptosis and is death-inducing.

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - References

Crossley, L.J., J. Leukoc. Biol. 74(4):583-592 (2003).Kotelkin, A., et al., J. Virol. 77(17):9156-9172 (2003).Erwert, R.D., et al., Microb. Pathog. 35(2):87-93 (2003).Liu, H., et al., Blood 102(1):344-352 (2003).Nijhawan, D., et al., Genes Dev. 17(12):1475-1486 (2003).