

MCL1 Antibody (BH3 Domain Specific) Blocking peptide
Synthetic peptide
Catalog # BP1312a**Specification**

MCL1 Antibody (BH3 Domain Specific) Blocking peptide - Product InformationPrimary 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](/product/products/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 LocationMembrane; Single-pass membrane protein. Cytoplasm. Mitochondrion. Nucleus, nucleoplasm
Note=Cytoplasmic, associated with mitochondria

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).