

**Mcl-1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10026****Specification**

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**Mcl-1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q07820</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37337

**Mcl-1 Antibody - Additional Information****Gene ID** 4170

Application & Usage	Western blot analysis (0.5-4 µg/ml), immunoprecipitation (10-20 µg/ml), and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.
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**Other Names**

MCL1L, mcl1/EAT, MGC1839, MGC104264, TM, MCL1S, EAT

**Target/Specificity**

Mcl-1

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2 mg/ml) affinity purified rabbit anti-Mcl-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Mcl-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Mcl-1 Antibody - 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

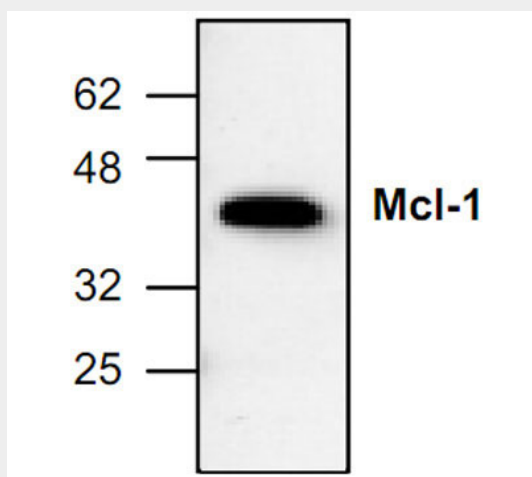
Membrane; Single-pass membrane protein. Cytoplasm. Mitochondrion. Nucleus, nucleoplasm  
Note=Cytoplasmic, associated with mitochondria

## Mcl-1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Mcl-1 Antibody - Images



Western blot analysis of Mcl-1 in Ramos cell lysate.

## Mcl-1 Antibody - Background

Mcl-1 (Myeloid cell leukemia-1) is a 37 kDa Bcl-2-related protein with an apparent molecular weight of 43 kDa on SDS-PAGE. Mcl-1 was identified as an early-induction gene that increased in expression during the differentiation of human myeloblastic leukemia cell ML-1, or exposure to

different DNA damaging agents. The level of Mcl-1 is decreased in peripheral B lymphocytes undergoing apoptosis following treatment with apoptotic stimuli such as TGF- $\beta$ 1 and forskolin. Expression of Mcl-1 is able to delay apoptosis induced by over-expression of c-myc in CHO 5AHSmyc cells. In hematopoietic FDC-P1 cells, Mcl-1 interacts with another Bcl-2-related protein, Bax, and prolongs cell viability after treatment with different apoptotic reagents.