



Rabbit Anti-phospho-MCL1 (Ser159) antibody

SL18726R

Product Name:	phospho-MCL1 (Ser159)
Chinese Name:	磷酸化髓样细胞白血病1抗体
Alias:	MCL1 (phospho S159); p-MCL1 (phospho S159); Bcl 2 related protein EAT/mcl1; Bcl-2-like protein 3; Bcl-2-related protein EAT/mcl1; BCL2 related; Bcl2-L-3; BCL2L3; EAT; Induced myeloid leukemia cell differentiation protein Mcl 1; Induced myeloid leukemia cell differentiation protein Mcl-1; MCL 1; MCL1; MCL1-ES; Mcl1/EAT; MCL1_HUMAN; MCL1L; MCL1S; MGC104264; MGC1839; Myeloid Cell Leukemia 1; Myeloid cell leukemia ES; Myeloid cell leukemia sequence 1; Myeloid cell leukemia sequence 1 BCL2 related; Myeloid cell leukemia sequence 1 isoform 1; OTTHUMP00000032794; OTTHUMP00000032795; TM.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,Rabbit,
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	cytoplasmicThe cell membraneMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human Mcl 1 around the phosphorylation site of Ser159.:DG(p-S)LP
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

Mcl1 is an anti-apoptotic member of Bcl2 family originally isolated from the ML1 human myeloid leukemia cell line during phorbol ester-induced differentiation along the monocyte/macrophage pathway. Mcl1 localizes to the mitochondria, interacts with and antagonizes pro-apoptotic Bcl2 family members, and inhibits apoptosis by a number of cytotoxic stimuli. It is involved in programming of differentiation and concomitant maintenance of viability but not of proliferation. Isoform 1 inhibits apoptosis while isoform 2 promotes it. Expression increases early during phorbol-ester induced differentiation along the monocyte/macrophage pathway in myeloid leukemia cell lines ML1.

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.

Subcellular Location:

Membrane. Cytoplasm. Mitochondrion. Nucleus > nucleoplasm. Cytoplasmic, associated with mitochondria.

Similarity:

Belongs to the Bcl-2 family.

SWISS:

Q07820

Gene ID:

4170

Database links:

[Entrez Gene: 4170](#) Human

[Omim: 159552](#) Human

[SwissProt: Q07820](#) Human

[Unigene: 632486](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail: