

## Mcl-1 Monoclonal Antibody

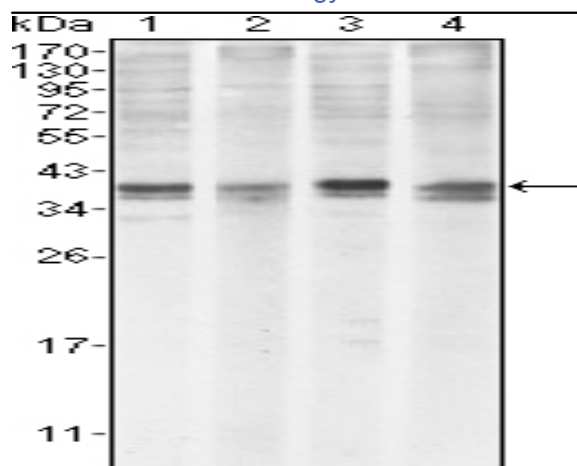
<b>Catalog No :</b>	YM0430
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Mcl-1
<b>Fields :</b>	>>PI3K-Akt signaling pathway;>>Apoptosis;>>JAK-STAT signaling pathway;>>MicroRNAs in cancer
<b>Gene Name :</b>	MCL1
<b>Protein Name :</b>	Induced myeloid leukemia cell differentiation protein Mcl-1
<b>Human Gene Id :</b>	4170
<b>Human Swiss Prot No :</b>	Q07820
<b>Mouse Swiss Prot No :</b>	P97287
<b>Immunogen :</b>	Purified recombinant fragment of human MCL-1 expressed in E. Coli.
<b>Specificity :</b>	Mcl-1 Monoclonal Antibody detects endogenous levels of Mcl-1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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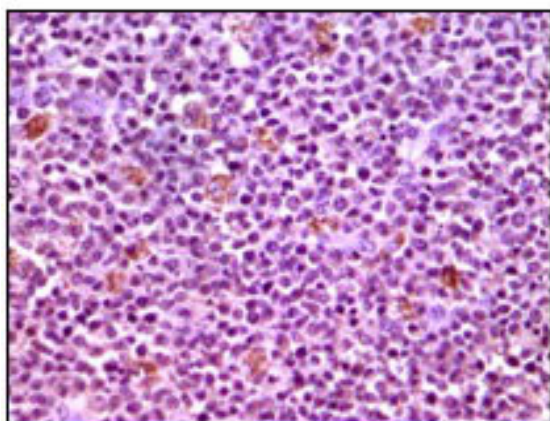
<b>Observed Band :</b>	About 40kd in human,39kd in mouse and rat
<b>P References :</b>	1. Ota, N. et al. J. Hum. Genet. 2000. 46: 254-269. 2. Schwertfeger KL, Ryder JW, Anderson SM J Mammary Gland Biol Neoplasia 2000, 3 : 236-251.
<b>Background :</b>	This gene encodes an anti-apoptotic protein, which is a member of the Bcl-2 family. Alternative splicing results in multiple transcript variants. The longest gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene products (isoform 2 and isoform 3) promote apoptosis and are death-inducing. [provided by RefSeq, Oct 2010],
<b>Function :</b>	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 while isoform 2 promotes it.,induction:Expression increases early during phorbol-ester induced differentiation along the monocyte/macrophage pathway in myeloid leukemia cell lines ML-1. Rapidly up-regulated by CSF2 in ML-1 cells. Up-regulated by heat-shock induced differentiation. Expression increases early during retinoic acid-induced differentiation.,PTM:Cleaved by CASP3 during apoptosis. In intact cells cleavage occurs preferentially after Asp-127, yielding a pro-apoptotic 28 kDa C-terminal fragment.,PTM:Phosphorylated on Thr-163. Treatment with taxol or okadaic acid induces phosphorylation on additional sites.,PTM:Rapidly degraded in the abs
<b>Subcellular Location :</b>	Membrane ; Single-pass membrane protein . Cytoplasm. Mitochondrion. Nucleus, nucleoplasm. Cytoplasmic, associated with mitochondria.
<b>Expression :</b>	Ewing sarcoma,Mammary gland,Myeloid leukemia cell,Neuroblastoma,Placenta,Th
<b>Sort :</b>	9457
<b>No4 :</b>	1
<b>Host :</b>	Mouse
<b>Modifications :</b>	Unmodified

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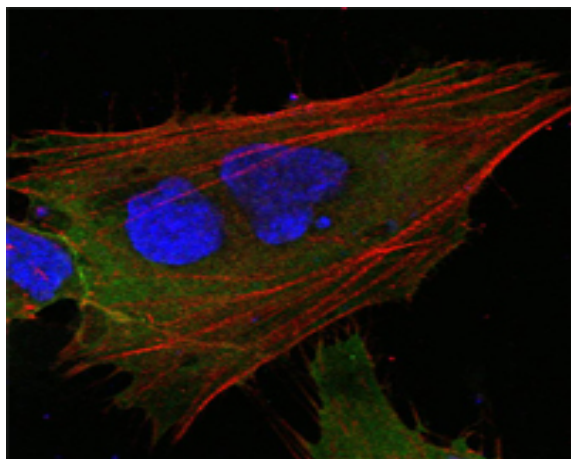
## Products Images



Western Blot analysis using Mcl-1 Monoclonal Antibody against HeLa (1), BCBL-1 (2), Jurkat (3) and HL60 (4) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human lymphnode tissues with DAB staining using Mcl-1 Monoclonal Antibody.



Confocal immunofluorescence analysis of HepG2 cells using Mcl-1 Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.