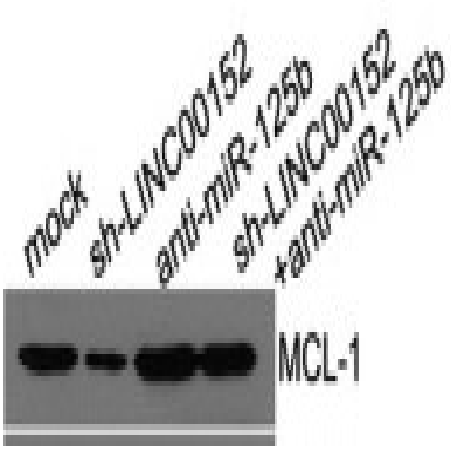
Best Tools for immunology Research

Mcl-1 Polyclonal Antibody

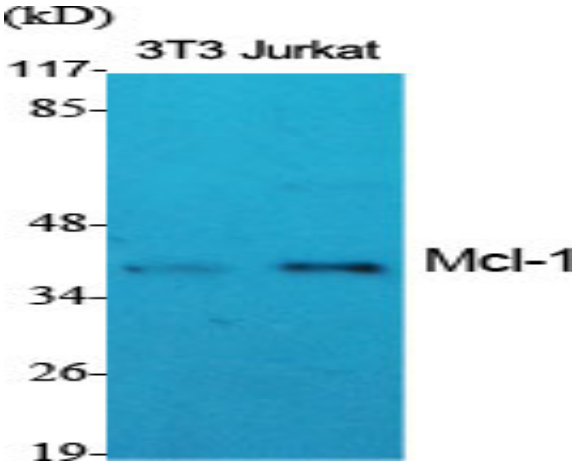
Catalog No :	YT2679
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Mcl-1
Fields :	>>PI3K-Akt signaling pathway;>>Apoptosis;>>JAK-STAT signaling pathway;>>MicroRNAs in cancer
Gene Name :	MCL1
Protein Name :	Induced myeloid leukemia cell differentiation protein Mcl-1
Human Gene Id :	4170
Human Swiss Prot No :	Q07820
Mouse Gene Id :	17210
Mouse Swiss Prot No :	P97287
Rat Gene Id :	60430
Rat Swiss Prot No :	Q9Z1P3
Immunogen :	The antiserum was produced against synthesized peptide derived from human MCL1. AA range:91-140
Specificity :	Mcl-1 Polyclonal Antibody detects endogenous levels of Mcl-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	About 40kd in human,39kd in mouse and rat
Background :	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],
Function :	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
Subcellular Location :	Membrane ; Single-pass membrane protein . Cytoplasm. Mitochondrion. Nucleus, nucleoplasm. Cytoplasmic, associated with mitochondria.
Expression :	Ewing sarcoma,Mammary gland,Myeloid leukemia cell,Neuroblastoma,Placenta,Th

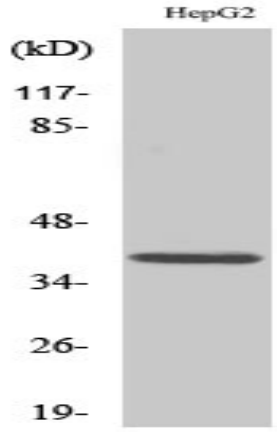
Products Images



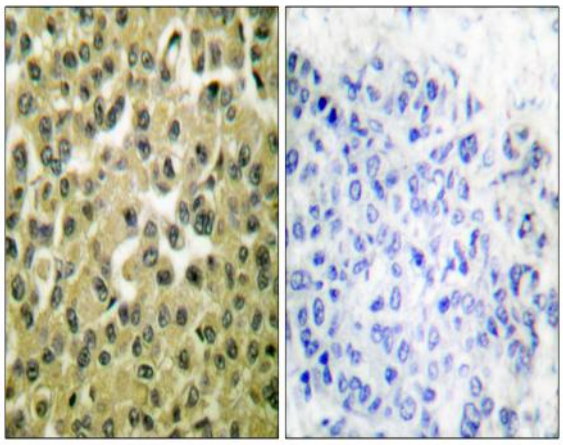
Chen, Puxiang, et al. "Long noncoding RNA LINC00152 promotes cell proliferation through competitively binding endogenous miR-125b with MCL-1 by regulating mitochondrial apoptosis pathways in ovarian cancer." Cancer medicine 7.9 (2018): 4530-4541.



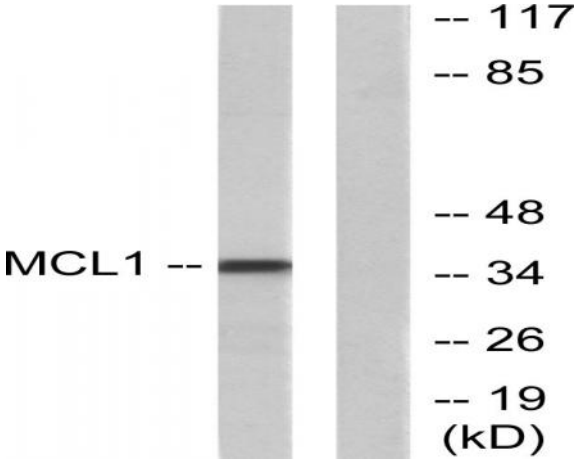
Western Blot analysis of various cells using Mcl-1 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of Jurkat cells using Mcl-1 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using MCL1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using MCL1 Antibody. The lane on the right is blocked with the synthesized peptide.