

## McI-1 (phospho Ser159) Polyclonal Antibody

Catalog No: YP1190

**Reactivity:** Human; Mouse

**Applications:** WB;ELISA;IHC

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

Q07820

P97287

Human Gene Id: 4170

**Human Swiss Prot** 

No:

Mouse Gene Id: 17210

**Mouse Swiss Prot** 

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

MCL1 around the phosphorylation site of Ser159. AA range:125-174

Specificity: Phospho-Mcl-1 (S159) Polyclonal Antibody detects endogenous levels of Mcl-1

protein only when phosphorylated at S159.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

1/4



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** Membrane ; Single-pass membrane protein . Cytoplasm. Mitochondrion.

**Location :** Nucleus, nucleoplasm. Cytoplasmic, associated with mitochondria.

**Expression :** Ewing sarcoma, Mammary gland, Myeloid leukemia

cell, Neuroblastoma, Placenta, Th

Tag: hot

**Sort :** 9453

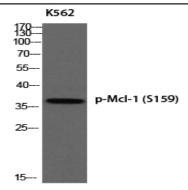
No4: 1

Host: Rabbit

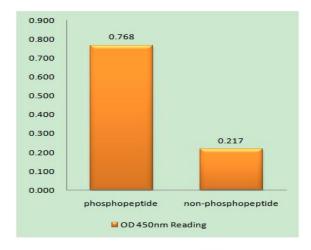
Modifications: Phospho

## **Products Images**

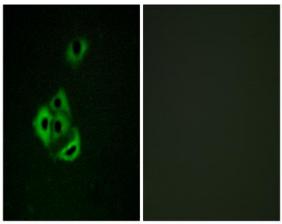
2/4



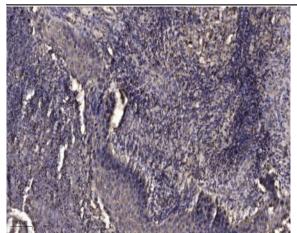
Western blot analysis of K562 using p-Mcl-1 (S159) antibody.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MCL1 (Phospho-Ser159) Antibody



Immunofluorescence analysis of A549 cells, using MCL1 (Phospho-Ser159) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

4/4