

## Mcl-1 (Phospho Ser159/Thr163) Rabbit pAb

CatalogNo: YP1394

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC

#### MW

- 40kD in human, 39kD in mouse and rat (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

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

### Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human Mcl-1 (Ser159 and Thr163)

**Specificity** This antibody detects endogenous levels of Mcl-1 only when phosphorylated at Ser159 or Thr163, and dually phosphorylated at two sites.

### Target Information

**Gene name** MCL1 BCL2L3

**Protein Name** Mcl-1 (Ser159/Thr163)

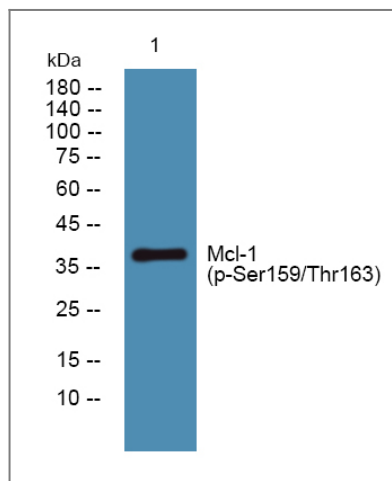
Organism	Gene ID	UniProt ID
Human	<a href="#">4170;</a>	<a href="#">Q07820;</a>
Mouse	<a href="#">17210;</a>	<a href="#">P97287;</a>
Rat	<a href="#">60430;</a>	<a href="#">Q9Z1P3;</a>

**Cellular Localization** Membrane ; Single-pass membrane protein . Cytoplasm. Mitochondrion. Nucleus , nucleoplasm. Cytoplasmic , associated with mitochondria.

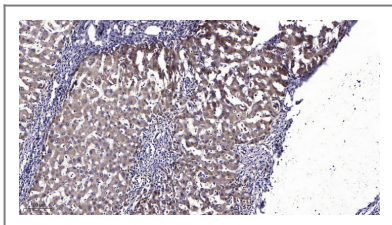
**Tissue specificity** Ewing sarcoma ,Mammary gland ,Myeloid leukemia cell ,Neuroblastoma ,Placenta ,Th

**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 absence of phosphorylation on Thr-163 in the PEST region. ,similarity:Belongs to the Bcl-2 family. ,subcellular location:Cytoplasmic , associated with mitochondria. ,subunit:Interacts with BAD , BOK , BIK and BFM (By similarity) . Interacts with PMAIP1. Isoform 1 interacts with BAX , BAK1 , TPT1 and BCL2L11. Heterodimer of isoform 1 and isoform 2. Homodimers of isoform 1 or isoform 2 are not detected. Isoform 2 does not interact with pro-apoptotic BCL2-related proteins. ,

## Validation Data



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°C over night



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

## | Contact information

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**Mcl-1 (Phospho Ser159/Thr163) Rabbit pAb**

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