

Mcl-1 (Phospho Ser64) Rabbit pAb

CatalogNo: YP1395

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, 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

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human Mcl-1 (Ser64)

Specificity This antibody detects endogenous levels of Human Mcl-1 (phospho-Ser64)

Target Information

Gene name MCL1 BCL2L3

Protein Name Mcl-1 (Ser64)

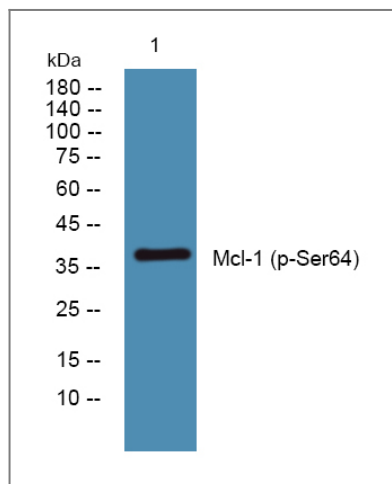
Organism	Gene ID	UniProt ID
Human	4170 ;	Q07820 ;
Mouse	17210 ;	P97287 ;
Rat	60430 ;	Q9Z1P3 ;

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

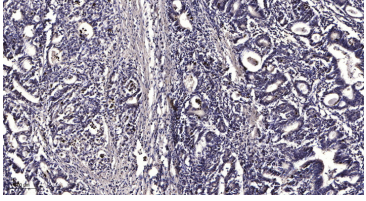
Tissue specificity Ewing sarcoma , Mammary gland , Myeloid leukemia cell , Neuroblastoma , Placenta , Th

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 HCT116 cells, primary antibody was diluted at 1:1000, 4°C over night



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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