Mcl-1 (Phospho Thr163) Rabbit pAb

CatalogNo: YP1396

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 phosho peptide around human Mcl-1 (Thr163)
Specificity	This antibody detects endogenous levels of Human Mcl-1 (phospho-Thr163) .The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PStPP

Target Information

Gene name MCL1 BCL2L3

Protein Name Mcl-1 (Thr163)

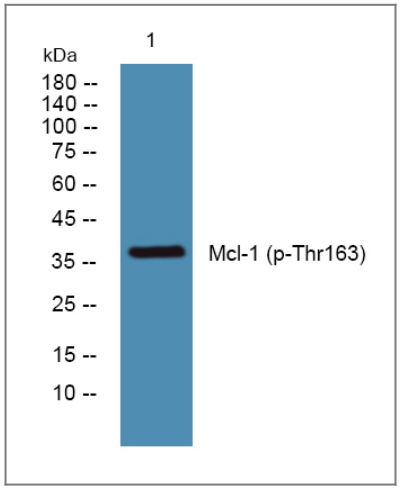
Organism	Gene ID	UniProt ID
Human	4170;	Q07820;
Mouse	17210;	P97287;
Rat	60430;	Q9Z1P3;

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

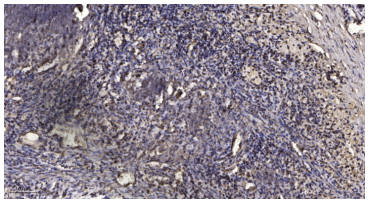
Tissue specificity Ewing sarcoma,Mammary gland,Myeloid leukemia cell,Neuroblastoma,Placenta,Th

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-apoptototic BCL2-related proteins.,

Validation Data



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



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).

Contact information

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Please scan the QR code to access additional product information:
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