

Mcl-1 Rabbit pAb

CatalogNo: YT2679

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

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

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:40000

IF 1:50-200

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.

Basic Information

Clonality Polyclonal

Immunogen Information

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.

| Target Information

Gene name MCL1

Protein Name Induced myeloid leukemia cell differentiation protein Mcl-1

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

| Contact information

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