bs-18726R

[Primary Antibody]

phospho-MCL1 (Ser159) Rabbit pAb



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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 4170 **SWISS:** Q07820

Target: MCL1 (Ser159)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human

Mcl 1 around the phosphorylation site of Ser159.: DG(p-S)LP.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Mcl1 is an anti-apoptotic member of Bcl2 family originally isolated

from the ML1 human myeloid leukemia cell line during phorbol ester-induced differentiation along the monocyte/macrophage pathway. Mcl1 localizes to the mitochondria, interacts with and antagonizes pro-apoptotic Bcl2 family members, and inhibits apoptosis by a number of cytotoxic stimuli. It is involved in programing of differentiation and concomitant maintenance of viability but not of proliferation. Isoform 1 inhibits apoptosis while isoform 2 promotes it. Expression increases early during phorbolester induced differentiation along the monocyte/macrophage

pathway in myeloid leukemia cell lines ML1.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500)

Reactivity: Human, Mouse

(predicted: Rat, Rabbit, Pig,

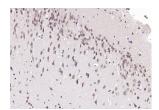
Horse)

Predicted MW.: 37 kDa

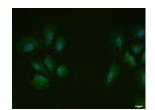
Subcellular Cell membrane, Cytoplasm

Location: , Nucleus

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-MCL1 (Ser159)) Polyclonal Antibody, Unconjugated (bs-18726R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-MCL1 (Ser159)) polyclonal Antibody, Unconjugated (bs-18726R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS —

- [IF=6] Pan Mengya. et al. Venetoclax synergizes with Wnt/β-catenin inhibitor C-82 in acute myeloid leukemia by increasing the degradation of Mcl-1 protein. CANCER CELL INT. 2025 Dec;25(1):1-16 WB,IP; Human. 40442688
- [IF=3.4] Guo Xiaojuan. et al. RPS6KA1 is a histone acetylation-related oncoprotein in acute myeloid leukemia which is targeted by afzelin. BMC CANCER. 2024 Dec;24(1):1-13 WB; Mouse. 39333927