bs-3265R

[Primary Antibody]

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www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

phospho-Mcl1 (Ser159 + Thr163) Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 4170 **SWISS:** Q07820

Target: Mcl1 (Ser159 + Thr163)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human

Mcl 1 around the phosphorylation site of Ser159/Thr163: DG(p-

S)LPS(p-T)PP.

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) Flow-Cyt (1ug/Test) ICC/IF (1:100-500)

Reactivity: Human, Rat

(predicted: Mouse, Cow,

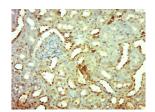
Dog, Horse)

Predicted MW.: 39 kDa

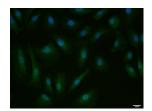
Subcellular Cell membrane, Cytoplasm

Location: , Nucleus

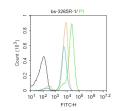
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); 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 + Thr163)) Polyclonal Antibody, Unconjugated (bs-3265R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes 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 + Thr163)) polyclonal Antibody, Unconjugated (bs-3265R) 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.



Blank control: K562. Primary Antibody (green line): Rabbit Anti-Phospho-Mcl1 (Ser159 + Thr163) antibody (bs-3265R) Dilution: 1µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat antirabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5%BSA to block nonspecific protein-protein interactions for 30 min at room temperature . Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.