

# Phospho MCL1 (Ser159) Antibody

rev 12/19

CATALOG NO.: A1981-100 (100 µl)

**BACKGROUND DESCRIPTION:** This gene encodes an anti-apoptotic protein, which is a member of the Bcl-2 family. Alternative splicing results in multiple transcript variants. The longest gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene products (isoform 2 and isoform 3) promote apoptosis and are death-inducing.

**ALTERNATE NAMES:** BCL2L3; Induced myeloid leukemia cell differentiation protein Mcl-1; Bcl-2-like protein 3; Bcl2-L-3; Bcl-2-related protein EAT/mcl1; mcl1/EAT

**ANTIBODY TYPE:** Polyclonal

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** KLH-conjugated synthetic peptide targeting a sequence within the center region of human MCL1

**MOLECULAR WEIGHT:** 40 kDa

**PURIFICATION:** Affinity purified

**FORM:** Liquid

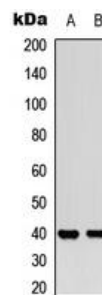
**FORMULATION:** In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

**SPECIES REACTIVITY:** Human

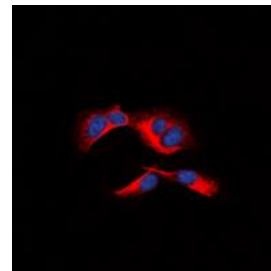
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze / thaw cycles

**APPLICATIONS AND USAGE:** WB 1:500 - 1:1000, IF 1:100 - 1:500

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of phospho MCL1 (Ser159) expression in K562 (A); human liver (B) whole cell lysates.



Immunofluorescent analysis of phospho MCL1 (Ser159) staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at RT. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at RT in the dark. DAPI was used to stain the cell nuclei (blue).

## RELATED PRODUCTS:

Anti-Bcl-2 Antibody (100/D5 + 124) (A1435)

Caspase-9 (Active) Antibody (3149)

Mcl-1 Antibody (3035)

Anti-Caspase-7 Antibody (A1752)

**FOR RESEARCH USE ONLY! Not to be used on humans.**