

Anti-Mcl-1 (myeloid cell leukemia sequence 1 isoform 2) Polyclonal Antibody

Cat. #: 60B464

Description:

The Mcl-1 (myeloid cell leukemia sequence 1 isoform 2) belongs to the Bcl-2 family. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. The longer gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene product (isoform 2) promotes apoptosis and is death-inducing. MCL-1 is a BCR/ABL-dependent survival factor and interesting target in chronic myeloid leukemia. Mcl-1 function is an effective means of inducing apoptosis in Mcl-1-positive B-cell lymphoma. Cleavage of Mcl-1 by caspases modifies its subcellular localization, increases its association with Bim and inhibits its antiapoptotic function

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human Mcl-1 (myeloid cell leukemia sequence 1 isoform 2)

References

Aichberger, K.J., et al, *Blood* 105 (8), 3303-3311 (2005)
Nencioni, A., et al, *Blood* 105 (8), 3255-3262 (2005)
Weng, C., et al, *J. Biol. Chem.* 280 (11), 10491-10500 (2005)
Piret, J.P., et al, *J. Biol. Chem.* 280 (10), 9336-9344 (2005)
Day, C.L., et al, *J. Biol. Chem.* 280 (6), 4738-4744 (2005)
Le Gouill, S., et al, *Blood* 104 (9), 2886-2892 (2004)
Herrant, M., et al, *Oncogene* 23 (47), 7863-7873 (2004)
Joo, E.K., et al, *Stem Cells Dev* 13 (5), 563-570 (2004)
Johnston, J.B., et al, *Leuk. Lymphoma* 45 (10), 2017-2027 (2004)
Graidist, P., et al, *J. Biol. Chem.* 279 (39), 40868-40875 (2004)
Michels, J., et al, *Oncogene* 23 (28), 4818-4827 (2004)
Inoshita, S., et al, *J. Biol. Chem.* 277 (46), 43730-43734 (2002)

Clone Number:

Isotype:

Species: Human

Storage and Stability: at -20°C

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1 µg/ml for 2 hrs)