

Datasheet for ABIN966543

anti-MCL-1 antibody[Go to Product page](#)**3** Publications

Overview

Quantity:	0.1 mg
Target:	MCL-1 (MCL1)
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This MCL-1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Isotype:	IgG1
Specificity:	Ni-NTA purified recombinant protein MCL-1 expressed in E. Coli strain M15.
Purification:	Antibodies are purified by protein G affinity chromatography.

Target Details

Target:	MCL-1 (MCL1)
Alternative Name:	MCL-1 (MCL1 Products)
Background:	Mcl-1 (Myeloid cell leukemia-1) is Bcl-2-related and was identified as an early-induction gene that increased in expression during the differentiation of human myeloblastic leukemia cell ML-1, or exposure to different DNA damaging agents. The level of Mcl1 is decreased in peripheral B lymphocytes undergoing apoptosis following treatment with apoptotic stimuli such as TGF-alpha 1 and forskolin. Expression of Mcl-1 is able to delay apoptosis induced by over-

Target Details

expression of c-myc in CHO 5AHSmyc cells. In hematopoietic FDC-P1 cells, Mcl-1 interacts with another Bcl-2-related protein, Bax, and prolongs cell viability after treatment with different apoptotic reagents. This monoclonal antibody detected a 37kd MCL1 in BCBL-1 cell lysate.

Gene ID: 4170

Pathways: [MAPK Signaling](#)

Application Details

Application Notes: Western Blot: Dilution 1: 200- 1: 1,000
IHC(P): Dilution 1: 200- 1: 1,000
IHC(F): Dilution 1: 200- 1: 1,000
ELISA: Propose dilution 1: 10,000.
Determining optimal working dilutions by titration test.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Publications

Product cited in: Marsh, Theodosopoulos, Howell, Richardson, Benn, Proos, Eng, Robinson: "Rapid mutation scanning of genes associated with familial cancer syndromes using denaturing high-performance liquid chromatography." in: **Neoplasia (New York, N.Y.)**, Vol. 3, Issue 3, pp. 236-44, (2001) ([PubMed](#)).

Richert, Schwertfeger, Ryder, Anderson: "An atlas of mouse mammary gland development." in: **Journal of mammary gland biology and neoplasia**, Vol. 5, Issue 2, pp. 227-41, (2001) ([PubMed](#)).

MacLachlan, Hébert: "Statement concerning euthanasia and physician-assisted suicide. Ethics Committee of the College of Family Physicians of Canada." in: **Canadian family physician Médecin de famille canadien**, Vol. 46, pp. 254-6, 264-7, (2000) ([PubMed](#)).