

For Research Use Only

MCL1 Recombinant antibody

Catalog Number: 82695-4-RR



Basic Information

Catalog Number: 82695-4-RR	GenBank Accession Number: BC107735	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4170	CloneNo.: 5P13
Source: Rabbit	Full Name: myeloid cell leukemia sequence 1 (BCL2-related)	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Calculated MW: 350 aa, 37 kDa	
Immunogen Catalog Number: AG10397	Observed MW: 40 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : HeLa cells, HEK-293 cells, MDA-MB-231 cells,
Jurkat cells, Raji cells

Background Information

MCL-1 is an anti-apoptotic member of the Bcl-2 family originally isolated from the ML-1 human myeloid leukemia cell line. Similar to BCL2 and BCL2L1, MCL1 can interact with BAX and/or BAK1 to inhibit mitochondria-mediated apoptosis. Mcl-1 is critical for the proliferation and survival of myeloma cells in vitro, and overexpression of Mcl-1 protein in myeloma cells is associated with relapse and short event-free survival in multiple myeloma patients. Recent studies show that MCL-1 is upregulated in numerous haematological and solid tumor malignancies. Therefore, MCL-1 has been suggested as a potential new therapeutic target. MCL-1 can be alternatively spliced into a long form (MCL-1L, 40 kDa) or a short form (MCL-1S, 30 kDa). (PMID: 15467463, PMID: 15147382)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

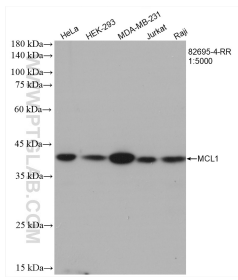
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82695-4-RR (MCL1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.