

For Research Use Only

MCL1 Recombinant antibody

Catalog Number: 82695-2-RR



Basic Information

Catalog Number: 82695-2-RR	GenBank Accession Number: BC107735	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4170	CloneNo.: 1C7
Source: Rabbit	UNIPROT ID: Q07820	Recommended Dilutions: WB 1:2000-1:10000 IF 1:50-1:500
Isotype: IgG	Full Name: myeloid cell leukemia sequence 1 (BCL2-related)	
Immunogen Catalog Number: AG10397	Calculated MW: 350 aa, 37 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	WB : HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, Raji cells, C2C12 cells, C6 cells
	IF : MCF-7 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 tumour 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

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

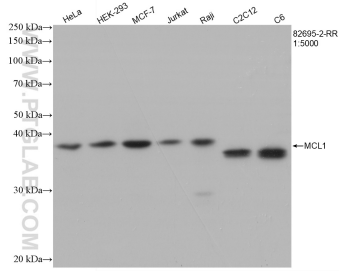
T: 4006900926

E: Proteintech-CN@ptglab.com

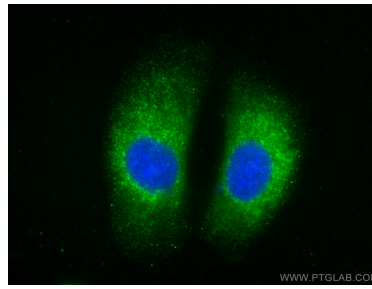
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82695-2-RR (MCL1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using MCL1 antibody (82695-2-RR, Clone: 1C7) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).