

For Research Use Only

MCL1 Recombinant antibody, PBS Only



Catalog Number: 82695-2-PBS

Basic Information

Catalog Number: 82695-2-PBS	GenBank Accession Number: BC107735	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 4170	CloneNo.: 1C7
Source: Rabbit	UNIPROT ID: Q07820	
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, Indirect ELISA

Species Specificity:
Human, mouse, rat

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 -80°C.

Storage Buffer:
PBS Only

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

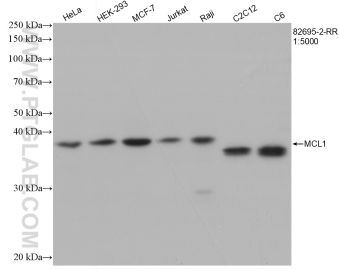
T: 4006900926

E: Proteintech-CN@ptglab.com

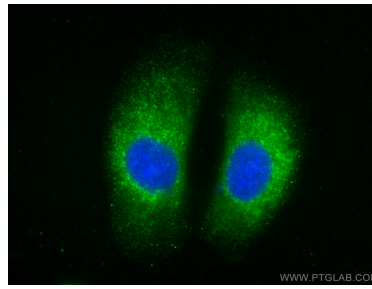
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Selected Validation Data



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. This data was developed using the same antibody clone with 82695-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82695-2-PBS in a different storage buffer formulation.