

Phospho-MCL1 (Thr163) Polyclonal antibody

Catalog Number: 29560-1-AP

Basic Information

Catalog Number: 29560-1-AP	GenBank Accession Number: BC017197	Purification Method: Antigen affinity purification
Size: 150 µg/ml	GeneID (NCBI): 4170	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q07820	
Isotype: IgG	Full Name: myeloid cell leukemia sequence 1 (BCL2-related)	
	Calculated MW: 350 aa, 37 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MG132 treated HeLa cells,
Species Specificity: Human	

Background Information

MCL1 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. Recent studies show that MCL1 is upregulated in numerous hematological and solid tumor malignancies. Therefore, MCL1 has been suggested as a potential new therapeutic target. MCL1 can be phosphorylated by several protein kinases which enables the recognition of MCL1 by its E3 ubiquitin-ligases TrCP or FBW7 (PMID: 33308268). MCL1 shows higher stability when phosphorylated on threonine 163 (PMID: 16543145).

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

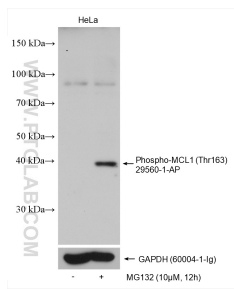
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Selected Validation Data



Non-treated and MG132 treated HeLa cells were subjected to SDS PAGE followed by western blot with 29560-1-AP (Phospho-MCL1 (Thr163) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as the loading control.