

For Research Use Only

Phospho-c-MYC (Ser62) Polyclonal antibody



Catalog Number: 28915-1-AP

Basic Information

Catalog Number: 28915-1-AP	GenBank Accession Number: BC000141	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 4609	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: v-myc myelocytomatosis viral oncogene homolog (avian)	
Isotype: IgG	Calculated MW: 49 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MG132 treated HEK-293T cells, HEK-293T cells
Species Specificity: Human	

Background Information

MYC is a transcription factor that globally enhances expression of transcribing genes, including those vital for cell cycle, growth, proliferation, and survival in normal and cancer cells. MYC has multiple isomers, and this antibody recognizes the phosphorylation of the 439 amino acid isomer (P01106-1, UniProt) at the 62 serine site. Posttranslational modifications that regulate MYC stability include phosphorylations at Ser62 and Thr58. Phosphorylation at Ser62, primarily by ERK, stabilizes MYC. While kinases other than ERK phosphorylate Ser62, GSK3 β has been the only kinase known to phosphorylate MYC at Thr58.(PMID: 32482868)

Storage

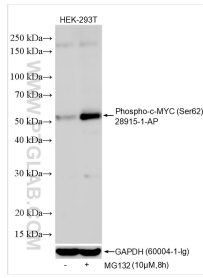
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



Non-treated and MG132 treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 28915-1-AP (Phospho-c-MYC (Ser62) 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 loading control.