

For Research Use Only

# Phospho-c-MYC (Ser62) Polyclonal antibody

Catalog Number: 28915-1-AP



## Basic Information

### Catalog Number:

28915-1-AP

### Size:

100ul , Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC000141

### GeneID (NCBI):

4609

### UNIPROT ID:

P01106

### Full Name:

v-myc myelocytomatosis viral oncogene homolog (avian)

### Calculated MW:

49 kDa

### Observed MW:

55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

Human

### Positive Controls:

WB : MG132 treated HEK-293T cells, HEK-293T cells

## 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 $\beta$  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

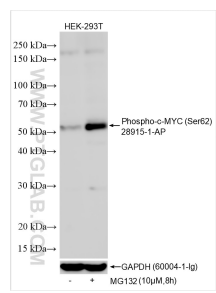
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## 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.