

For Research Use Only

# c-MYC Polyclonal antibody, PBS Only

Catalog Number: 10828-1-PBS

Featured Product



## Basic Information

### Catalog Number:

10828-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1263

### 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:

62-65 kDa, 50 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

WB, IF/ICC, FC (Intra), IP, ELISA

### Species Specificity:

human

## Background Information

MYC contains one basic helix-loop-helix (bHLH) domain. This protein is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. It seems to activate the transcription of growth-related genes. It binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. This antibody is a rabbit polyclonal antibody raised against recombinant protein of human MYC. The 50kDa band recognized by antibody is the native form of MYC, while the other bands, between 60-70kDa, are the phosphorylated form of MYC [PMID: 12189186]

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

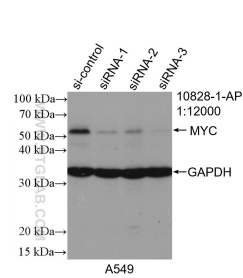
For technical support and original validation data for this product please contact:

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

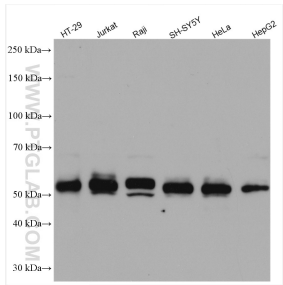
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

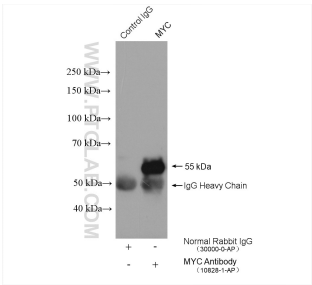
Selected Validation Data



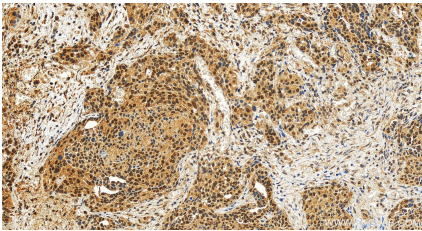
WB result of c-MYC antibody (10828-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-MYC transfected A549 cells. This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



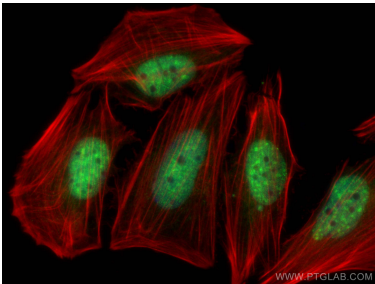
Various lysates were subjected to SDS PAGE followed by western blot with 10828-1-AP (c-MYC antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



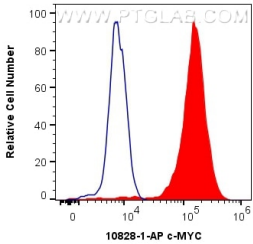
IP result of anti-c-MYC (IP:10828-1-AP, 4ug; Detection:10828-1-AP 1:1000) with MCF-7 cells lysate 1660 ug. This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



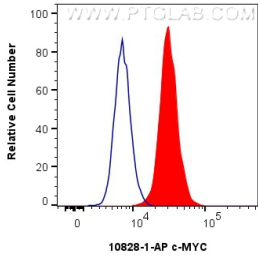
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 10828-1-AP (c-MYC antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



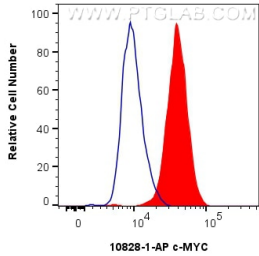
Immunofluorescent analysis of (4% PFA) fixed Saos-2 cells using c-MYC antibody (10828-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human c-MYC (10828-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> NCCIT cells were intracellularly stained with 0.25 ug c-MYC Polyclonal antibody (10828-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug c-MYC Polyclonal antibody (10828-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 10828-1-PBS in a different storage buffer formulation.