

c-MYC Polyclonal antibody

Catalog Number: 10828-1-AP

Featured Product

570 Publications

Basic Information

Catalog Number:

10828-1-AP

Size:

800 µg/ml

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

Recommended Dilutions:

WB 1:2000-1:12000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:200-1:800

Applications

Tested Applications:

FC, IF/ICC, IP, WB, ELISA

Cited Applications:

ChIP, CoIP, EMSA, IF, IP, WB

Species Specificity:

human

Cited Species:

human, chicken, rat, sheep, mouse, P. lilacinum, pig

This antibody is not for the detection of MYC-tag.

Positive Controls:

WB: HT-29 cells, Jurkat cells, HeLa cells, A549 cells, HL-60 cells, human placenta tissue, Raji cells, SH-SY5Y cells, HepG2 cells, BxPC-3 cells, SW 1990 cells, Jurkat cells and Raji cells.

IP: MCF-7 cells,

IF: Saos-2 cells, HEK-293 cells, U2OS cells

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]

Notable Publications

Author	Pubmed ID	Journal	Application
Ruosi Yao	33061303	Drug Des Devel Ther	WB
Zhen-Yu Shi	29039446	Int J Mol Med	WB
Ke-Xin Wang	34649212	Phytomedicine	WB

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

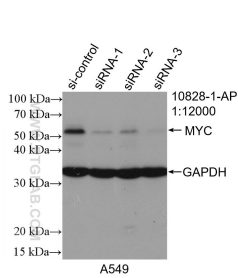
For technical support and original validation data for this product please contact:

T: 4006900926

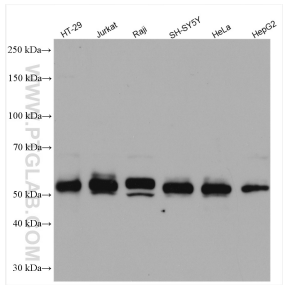
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

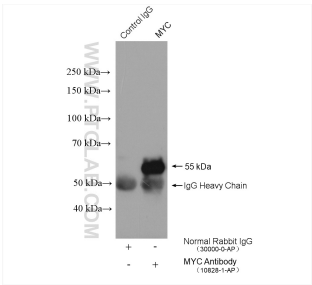
Selected Validation Data



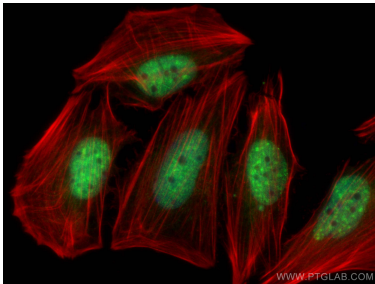
WB result of c-MYC antibody (10828-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-MYC transfected A549 cells.



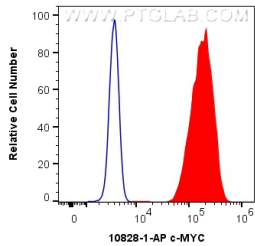
Various lysates were subjected to SDS PAGE followed by western blot with 10828-1-AP (c-MYC antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-c-MYC (IP:10828-1-AP, 4ug; Detection:10828-1-AP 1:1000) with MCF-7 cells lysate 1660 ug.



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).



1X10⁶ 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).