

c-MYC

Polyclonal ANTIBODY

Catalog Number: 10828-1-AP

Featured Product

121 Publications

Basic Information

Catalog Number:
10828-1-AP

Size:
43 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG1263

GenBank Accession Number:
BC000141

GeneID (NCBI):
4609

Full Name:
v-myc myelocytomatosis viral oncogene homolog (avian)

Calculated MW:
49 kDa

Observed MW:
62-65 kDa, 50 kDa

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IF 1:50-1:500

Applications

Tested Applications:
FC, IF, IP, WB, ELISA

Cited Applications:
CoIP, IF, WB

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

Positive Controls:

WB: HepG2 cells; HL-60 cells, human placenta tissue

IP: HL-60 cells;

IF: NCCIT cell;

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 [PMD: 12189186]

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen-Yu Shi	29039446	Int J Mol Med	WB
Yuheng Du	30250219	Cell Death Dis	WB
Zhongyi Fan	26389681	Oncotarget	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

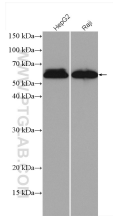
For technical support and original validation data for this product please contact:

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

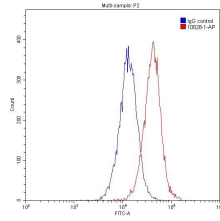
E: proteintech@ptglab.com
W: ptglab.com

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

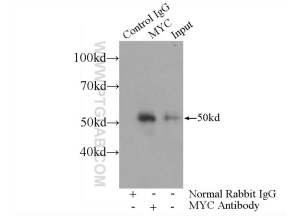
Selected Validation Data



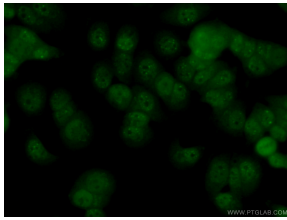
Various lysates were subjected to SDS PAGE followed by western blot with 10828-1-AP (c-MYC antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours



1x10⁶ HeLa cells were stained with 0.20ug c-MYC antibody (10828-1-AP, red) and control antibody (blue). Fixed with 90% MeOH



IP Result of anti-c-MYC (IP:10828-1-AP, 3ug; Detection:10828-1-AP 1:500) with HL-60 cells lysate 1200ug.



Immunofluorescent analysis of (4% PFA) fixed NCCIT cell using 10828-1-AP(c-MYC antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)