

For Research Use Only

c-MYC Polyclonal antibody

Catalog Number: 10828-1-AP

Featured Product

407 Publications



Basic Information

Catalog Number: 10828-1-AP	GenBank Accession Number: BC000141	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4609	Recommended Dilutions: WB 1:2000-1:12000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: v-myc myelocytomatosis viral oncogene homolog (avian)	IF 1:50-1:500
Isotype: IgG	Calculated MW: 49 kDa	
Immunogen Catalog Number: AG1263	Observed MW: 62-65 kDa, 50 kDa	

Applications

Tested Applications: FC, IF, IP, WB, ELISA	Positive Controls:
Cited Applications: chIP, CoIP, EMSA, IF, IP, WB	WB : HeLa cells, HT-29 cells, HL-60 cells, HepG2 cells, human placenta tissue, A549 cells, Jurkat cells, Raji cells, SH-SY5Y cells, Jurkat cells and Raji cells.
Species Specificity: human, mouse	IP : MCF-7 cells,
Cited Species: chicken, human, mouse, mouse, P. lilacinum, pig, rat, sheep	IF : U2OS cells, HEK-293 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

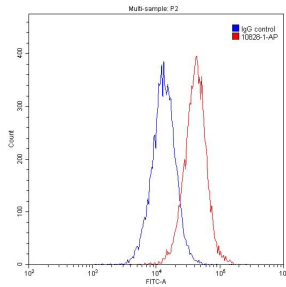
Storage

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

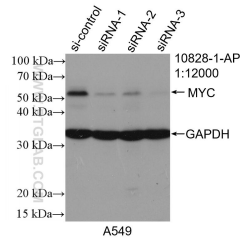
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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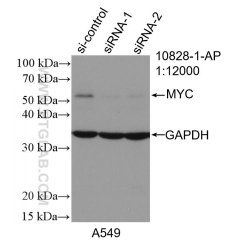
Selected Validation Data



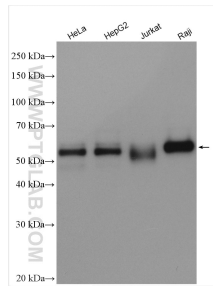
1X10⁶ HeLa cells were stained with 0.20ug c-MYC antibody (10828-1-AP, red) and control antibody (blue). Fixed with 90% MeOH.



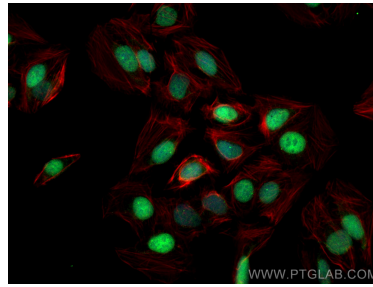
WB result of c-MYC antibody (10828-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-MYC transfected A549 cells.



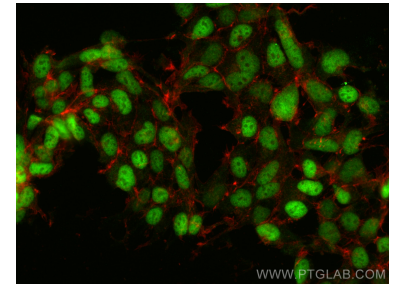
WB result of c-MYC antibody (10828-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-MYC transfected A549 cells.



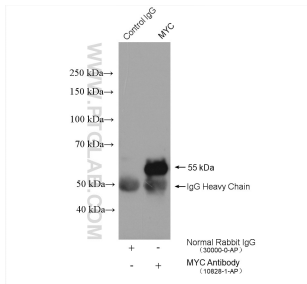
Various lysates were subjected to SDS PAGE followed by western blot with 10828-1-AP (c-MYC antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



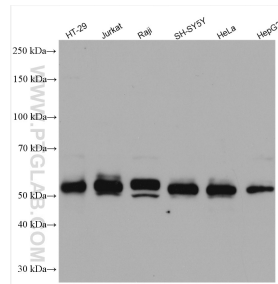
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using c-MYC antibody (10828-1-AP) at dilution of 1:200 and CoralLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using c-MYC antibody (10828-1-AP) at dilution of 1:800 and CoralLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



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



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.