

c-MYC Polyclonal Antibody

Catalog number: 10828-1-AP

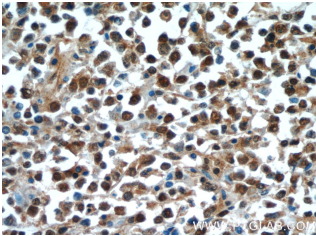
Size: 43 µg/150 µl

Source: Rabbit

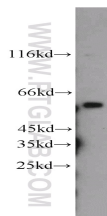
Isotype: IgG

Synonyms:

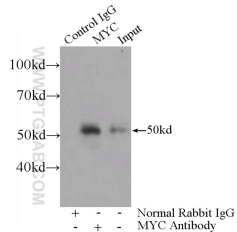
MYC; bHLHe39, c Myc, c-Myc, MRTL, MYC, Myc proto oncogene protein, Proto oncogene c Myc, Transcription factor p64



Immunohistochemical of paraffin-embedded human lymphoma using 10828-1-AP(MYC antibody) at dilution of 1:50 (under 40x lens)



Raji cells were subjected to SDS PAGE followed by western blot with 10828-1-AP(MYC antibody) at dilution of 1:1000



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

Background

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]

Applications

Tested applications:	ELISA, WB, IP, IHC
Cited applications:	IF, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Human
Calculated c-MYC MW:	49 kDa
Observed c-MYC MW:	62-65 kDa, 50 kDa
Positive WB detected in	Raji cells, HL-60 cells, mouse embryo tissue
Positive IP detected in	HL-60 cells
Positive IHC detected in	Human lymphoma tissue, human breast cancer tissue, human prostate cancer tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1263
GenBank accession number:	BC000141
Gene ID (NCBI):	4609
Full name:	V-myc myelocytomatosis viral oncogene homolog (avian)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.