

For Research Use Only

MYC Polyclonal antibody

Catalog Number: 10059-1-AP **28 Publications**



Basic Information

Catalog Number: 10059-1-AP	GenBank Accession Number: BC000917	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 100 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4609	
Source: Rabbit	UNIPROT ID: P01106	
Isotype: IgG	Full Name: v-myc myelocytomatosis viral oncogene homolog (avian)	
	Calculated MW: 48 aa, 8 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
CoIP, IF, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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
Xin Zhou	36243809	Cell Death Discov	WB,IHC
Gaojian Zhang	35372814	iScience	WB
Chao Yang	35861371	Adv Sci (Weinh)	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

*** 20ul sizes contain 0.1% BSA

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