

For Research Use Only

MYC Polyclonal antibody

Catalog Number: 26197-1-AP



Basic Information

Catalog Number: 26197-1-AP	GenBank Accession Number: BC000141	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4609	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	UNIPROT ID: P01106	
Isotype: IgG	Full Name: v-myc myelocytomatosis viral oncogene homolog (avian)	
Immunogen Catalog Number: AG24299	Calculated MW: 49 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse embryo tissue, HeLa cells, human placenta tissue
Species Specificity: 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]

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