

For Research Use Only

# c-Myc Polyclonal ANTIBODY



Catalog Number: 10057-1-AP **9 Publications**

## Basic Information

<b>Catalog Number:</b> 10057-1-AP	<b>GenBank Accession Number:</b> BC000917	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4609	
<b>Source:</b> Rabbit	<b>Full Name:</b> v-myc myelocytomatosis viral oncogene homolog (avian)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 48 aa, 8 kDa	
	<b>Observed MW:</b> 62-65 kDa, 50 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
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
Chen Xin-Mei XM	24265759	PLoS One	WB
X Yuan	27819668	Oncogenesis	WB
Bo Wang	32186775	Mol Med Rep	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:  
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## Selected Validation Data