

For Research Use Only

# c-Myc Polyclonal antibody

Catalog Number: 10057-1-AP

16 Publications



## Basic Information

### Catalog Number:

10057-1-AP

### Size:

150ul, Concentration: 267 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC000917

### GeneID (NCBI):

4609

### UNIPROT ID:

P01106

### Full Name:

v-myc myelocytomatosis viral oncogene homolog (avian)

### Calculated MW:

48 aa, 8 kDa

### Observed MW:

62-65 kDa, 50 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

## 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 0.02% sodium azide and 50% glycerol, pH7.3

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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