



Catalog: OM285614

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# MYC Antibody

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☐ 100ug

## Product profile

Product name	MYC Antibody
Antibody Type	Tags Antibodies
Product description	The antibody 9E10 may be used to detect the c-Myc tag. The c-myc gene (8q24 on human chromosome ) is the cellular homologue of the v-myc gene originally isolated from an avian myelocytomatosis virus. The c-Myc protein is a transcription factor (nuclear localization). c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin-dependent kinase, ERK2 and C-Jun N-terminal Kinase (JNK) in cell proliferation and cell cycle regulation. In normal cells the expression of c-Myc is tightly regulated but in human cancers c-Myc is frequently deregulated. c-Myc is also essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells.
Immunogen	Synthetic peptide sequence (AEEQKLISEEDLL) corresponding to the C-terminal region of human c-myc.

## Key Feature

Clonality	Monoclonal
Isotype	IgG1
Host Species	Mouse
Tested Applications	FACS ,IHC ,IP ,WB
Species Reactivity	Chimpanzee Gorilla Human
Concentration	1 mg/ml
Purification	Protein G

## Target Information

Gene Symbol	MYC tag
Alternative Names	MYC, BHLHe39, C-Myc, MRTL, Myc proto-oncogene protein, Proto-oncogene c-Myc, Rats1, Transcription factor C1, myc

n factor p64, v-myc

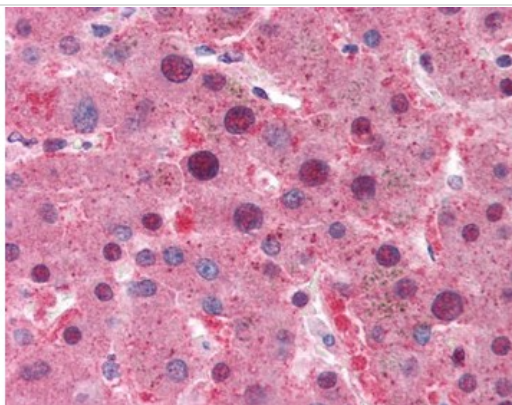
#### Tissue Specificity

The c-myc gene (8q24 on human chromosome) is the cellular homologue of the v-myc gene originally isolated from an avian myelocytomatosis virus.

## Database Links

Entrez Gene	4609
Protein Accession	P01106

## Application



#### Application

Immunohistochemistry staining of MYC in liver tissue using MYC monoclonal Antibody.

**Application Notes** FACS (1 - 5 ug/ml), IHC-P (10 ug/ml), IP (1 - 5 ug/ml), WB (0.5 - 2 ug/ml):

## Additional Information

Form	Liquid
Storage Instructions	Store MYC antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
Storage Buffer	PBS, 15 mM sodium azide, approx., pH 7.4.
Note	The product is for research use only, not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt