

## anti- c-MYC antibody

### Product Information

Catalog No.:	FNab01791
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20°C for 24 months (Avoid repeated freeze / thaw cycles.)

### Background

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]

### Immunogen information

Immunogen:	v-myc myelocytomatosis viral oncogene homolog(avian)
Synonyms:	BHLHe39, c Myc, c-Myc, MRTL, MYC, Myc proto oncogene protein, Proto oncogene c Myc, Transcription factor p64
Observed MW:	62-65 kDa, 50 kDa
Uniprot ID :	P01106

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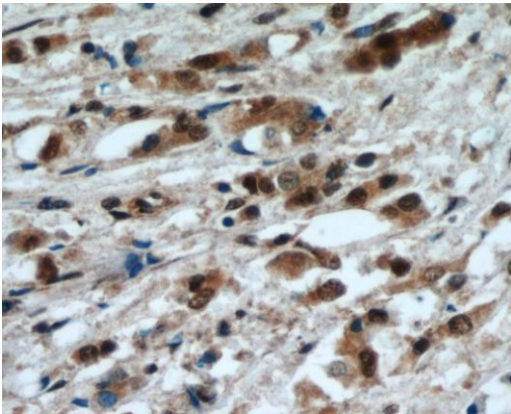
## Application

Reactivity: Human, Mouse

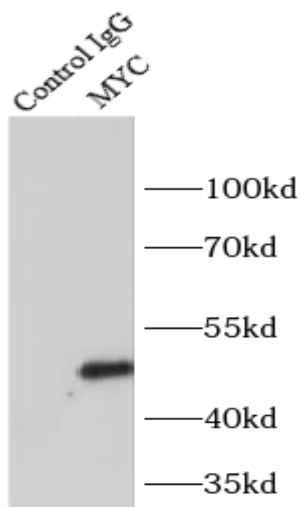
Tested Application: ELISA, WB, IP, IHC

Recommended dilution: WB: 1:500-1:5000; IP: 1:200-1:2000; IHC: 1:50-1:200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab01791(MYC antibody) at dilution of 1:50



IP Result of anti-MYC (IP: FNab01791, 3ug; Detection: FNab01791 1:500) with HL-60 cells lysate 1200ug.

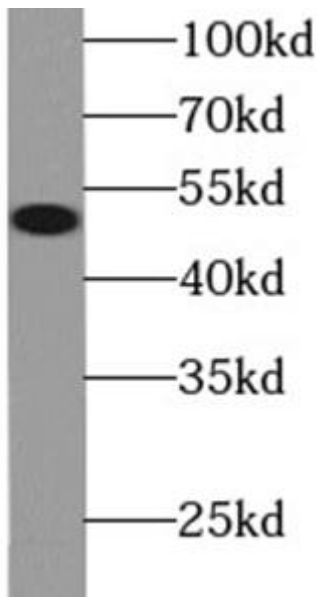
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Raji cells were subjected to SDS PAGE followed by western blot with FNab01791(MYC antibody) at dilution of 1:1000