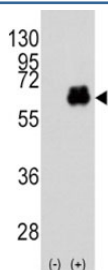


## Myc Antibody (F47612)

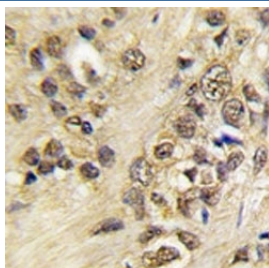
Catalog No.	Formulation	Size
F47612-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47612-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Bovine, Chicken, Mouse, Pig, Rat, Xenopus, Zebrafish
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P01106
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
<b>Limitations</b>	This Myc antibody is available for research use only.



Western blot analysis of Myc antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MYC gene (2).



IHC analysis of FFPE human prostate carcinoma tissue stained with Myc antibody

## Description

MYC 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. Mutations, overexpression, rearrangement and translocation of the gene encoding MYC have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene.

## Application Notes

Titration of the Myc antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 36-65 from the human protein was used as the immunogen for this Myc antibody.

## Storage

Aliquot the Myc antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.