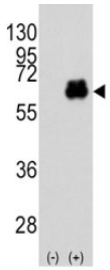
Myc Antibody (F47612)

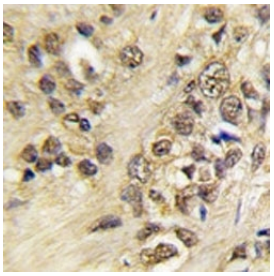
Catalog No.	Formulation	Size
F47612-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47612-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, Chicken, Mouse, Pig, Rat, Xenopus, Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P01106
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	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.