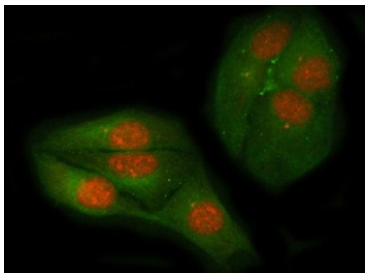
c-Myc Antibody (R31518)

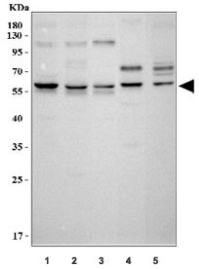
Catalog No.	Formulation	Size
R31518	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	Discontinued
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
Gene ID	4609
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml
Limitations	This c-Myc antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with c-Myc antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human HeLa, 3) human K562, 4) rat C6 and 5) mouse NIH 3T3 cell lysate with c-Myc antibody. Theoretical molecular weight: ~50 kDa but routinely observed at 50~70 kDa.

Description

C-Myc is an oncogene that functions both in the stimulation of cell proliferation and in apoptosis. It elicits its oncogenic activity by causing immortalization, and to a lesser extent the transformation of cells, in addition to several other mechanisms. The proto-oncogene encodes a transcription factor that is critical for cell growth and proliferation. It is one of the genes frequently altered in cancer cells in which it exhibits constitutive activity. Downregulation of the protein is critical for 2-Methoxyestradiol (2ME2)-induced oxidative stress and apoptosis in AML cells. And its up-regulation is important for promoting lymphocyte cell division, and demonstrating that GFP-c-Myc expression is a marker of proliferating lymphocytes in vivo.

Application Notes

The stated application concentrations are suggested starting points. Titration of the c-Myc antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 257-439) was used as the immunogen for this c-Myc antibody.

Storage

After reconstitution, the c-Myc antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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