

c-Myc Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50218

Clone# BP6195

Predicted Molecular Wt: 48kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P01106

Background:

Oncogene-encoded proteins c-Myc, n-Myc, and l-Myc function in cell proliferation, differentiation and neoplastic disease. A mutated version of Myc is found in many cancers, which causes Myc to be constitutively expressed. This leads to the unregulated expression of many genes, some of which are involved in cell proliferation, and result in the formation of cancer. c-Myc is a transcription factor and is a proto-oncogene that is the focal point in cell cycle regulation, metabolism, apoptosis, differentiation, cell adhesion, and tumorigenesis.

A common human translocation involving Myc is t(8;14), which is critical to the development of most cases of Burkitt's Lymphoma. Malfunctions in Myc have also been found in carcinoma of the cervix, colon, breast, lung, and stomach.

Subcellular location:

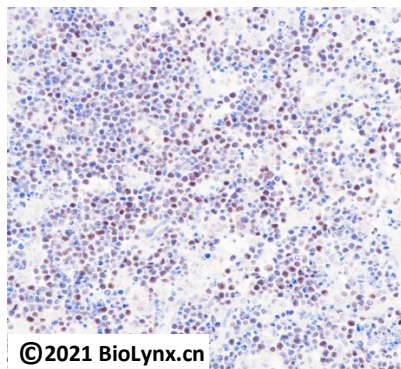
Nucleus

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide residues in human c-Myc was used as an immunogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human Burkitt's lymphoma tissue labelling c-Myc with BP6195. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-25°C to -18°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

- Hoffman B, et al. Oncogene. 2002; 21(21):3414-21.
- Nakles R, et al. Mol Endocrinol. 2011; 25:549-63.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.