

N-Myc Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50177

Clone# BP6155

Predicted Molecular Wt: 49kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P04198

Background:

Members of the Myc/Max/Mad network function as transcriptional regulators with roles in various aspects of cell behavior including proliferation, differentiation and apoptosis. These proteins share a common basic-helix-loop-helix leucine zipper (bHLH-ZIP) motif required for dimerization and DNA-binding. Max was originally discovered based on its ability to associate with c-Myc and found to be required for the ability of Myc to bind DNA and activate transcription. Subsequently, Max has been viewed as a central component of the transcriptional network, forming homodimers as well as heterodimers with other members of the Myc and Mad families. The association between Max and either Myc or Mad can have opposing effects on transcriptional regulation and cell behavior. The Mad family consists of four related proteins: Mad1, Mad2 (Mxi1), Mad3 and Mad4, and the more distantly related members of the bHLH-ZIP family, Mnt and Mga. Like Myc, the Mad proteins are tightly regulated with short half-lives. In general, Mad family members interfere with Myc-mediated processes such as proliferation, transformation and prevention of apoptosis by inhibiting transcription.

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. This information is proprietary to Biolynx.

Storage Buffer:

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

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

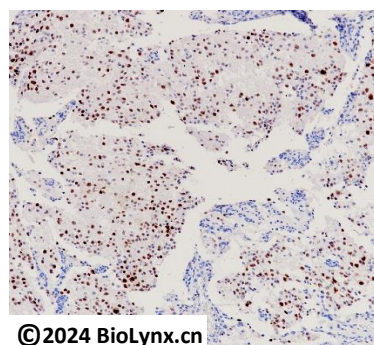
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- Baudino, T.A. and Cleveland, J.L. (2001) Mol Cell Biol 21, 691-702.
- Henriksson, M. and Lüscher, B. (1996) Adv Cancer Res 68, 109-82.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of neuroblastoma cell labelling N-Myc with BP6155.

Product QC'd by:



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