Leader in Biomolecular Solutions for Life Science

www.abclonal.com

# N-Myc/MYCN Rabbit mAb

**Catalog No.: A29493** Recombinant

## Basic Information

**Observed MW**
62 kDa

**Calculated MW**
50kDa

**Category**
Primary antibody

**Applications**
WB,IF/ICC,ChIP,ELISA

**Cross-Reactivity**
Human, Mouse

**CloneNo number**
ARC3964

## Background

This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. This protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of this gene is associated with a variety of tumors, most notably neuroblastomas. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:10000 - 1:50000(Human)<br>1:3000 - 1:7000(Mouse) |
| **IF/ICC** | 1:200 - 1:1400 |
| **ChIP** | 3 μg antibody for 15 μg - 20 μg of Chromatin |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy. |

## Immunogen Information

**Gene ID**
4613

**Swiss Prot**
P04198

**Immunogen**
This information is considered to be commercially sensitive.

**Synonyms**

## Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃

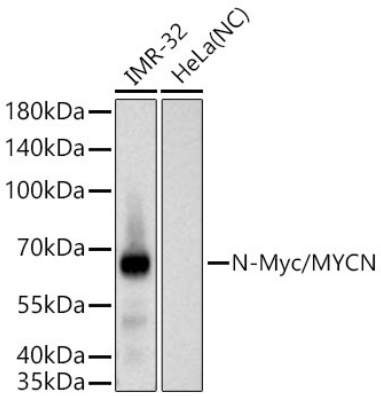
## Contact


400-999-6126

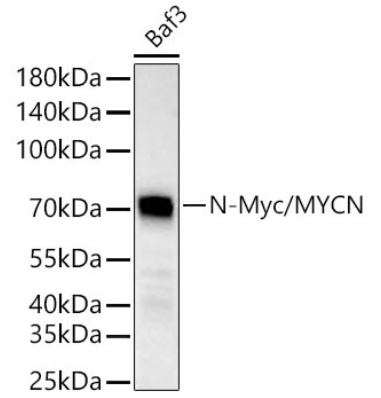
cn.market@abclonal.com.cn

www.abclonal.com.cn

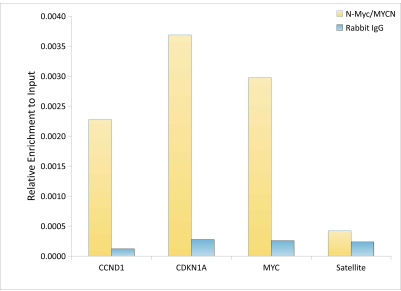
## Validation Data



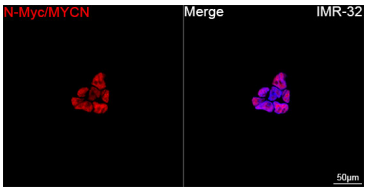

Western blot analysis of various lysates using N-Myc/MYCN Rabbit mAb (A29493) at 1:50000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit (RM00020).|Negative control (NC): HeLa.|Exposure time: 45 s.

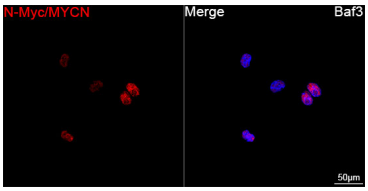



Western blot analysis of lysates from Baf3 cells using N-Myc/MYCN Rabbit mAb (A29493) at 1:7000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: ECL Basic Kit (RM00020).|Exposure time: 90 s.




Chromatin immunoprecipitation was performed with 20 µg of cross-linked chromatin from IMR-32 cells, using 3 µg of N-Myc/MYCN Rabbit mAb (A29493) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



## Validation Data

Confocal imaging of IMR-32 cells using N-Myc/MYCN Rabbit mAb (A29493, dilution 1:700) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of Baf3 cells using N-Myc/MYCN Rabbit mAb (A29493, dilution 1:400) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.