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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) 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℃

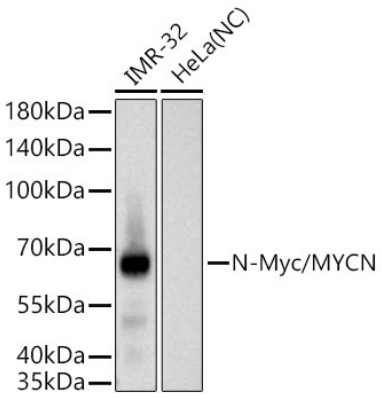
Contact

400-999-6126

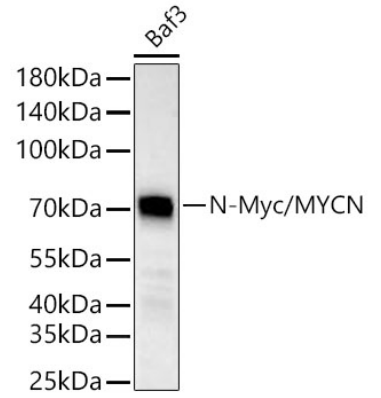
cn.market@abclonal.com.cn

www.abclonal.com.cn

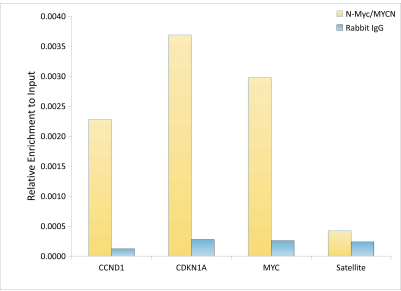
Validation Data



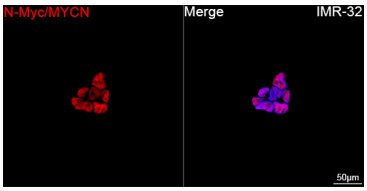
Western blot analysis of various lysates using N-Myc/MYCN Rabbit mAb (A29493) at 1:50000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: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

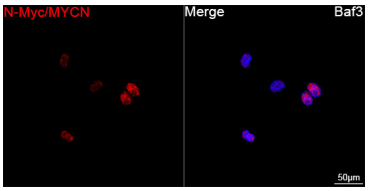


Western blot analysis of lysates from Baf3 cells using N-Myc/MYCN Rabbit mAb (A29493) at 1:7000 dilution incubated overnight at 4℃.|Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.|Lysates/proteins: 25 µg per lane.|Blocking buffer: 3% nonfat dry milk in TBST.|Detection: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