

N-Myc/MYCN Rabbit mAb

Catalog No.: A28719 **Recombinant**

Basic Information

Observed MW

57-65 kDa

Calculated MW

50 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,IHC-P,ChIP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3826

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 1:2000 - 1:5000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IF/ICC 1:100 - 1:400

IHC-P 1:400 - 1:1600

ChIP 2 µg antibody for 10 µg - 15
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)

Immunogen Information

Gene ID

4613/4609

Swiss Prot

P01498/P01106

Immunogen

This information is considered to be commercially sensitive.

Synonyms

NMYC; ODED; MODED; MPAPA; N-myc; FGLDS1; bHLHe37; MYCNsORF; MYCNsPEP

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: 10 mM sodium HEPES, 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide, pH7.5.

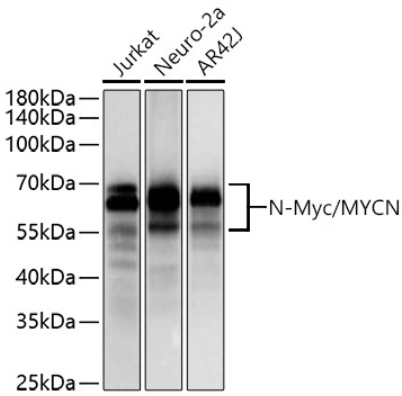
Contact

☎ | 400-999-6126

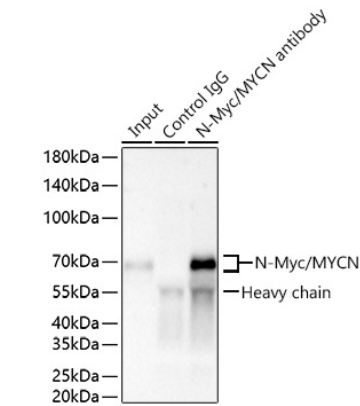
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

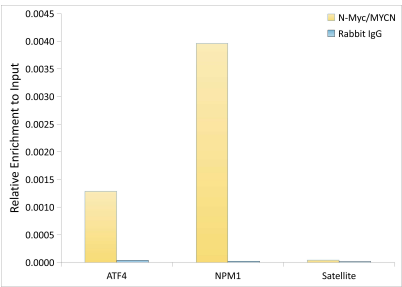
Validation Data



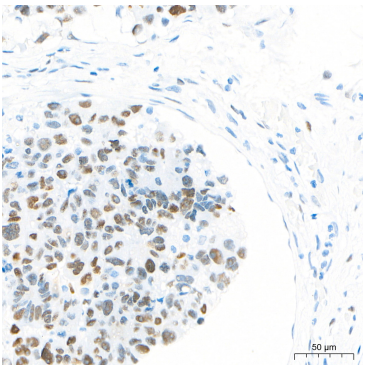
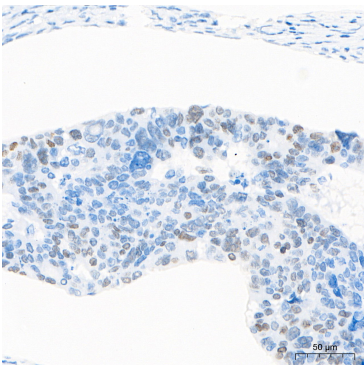
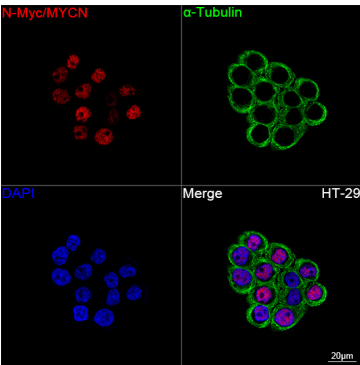
Western blot analysis of various lysates using N-Myc/MYCN Rabbit mAb (A28719) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Immunoprecipitation of N-Myc/MYCN from 300 µg extracts of Neuro-2a cells was performed using 4 µg of N-Myc/MYCN Rabbit mAb (A28719). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1000.

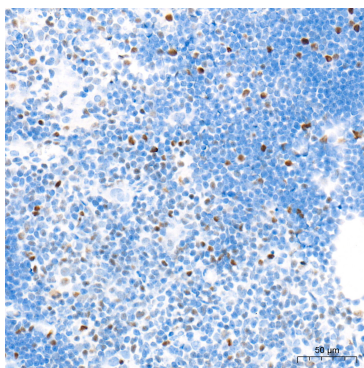


Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from K-562 cells, using 2 µg of N-Myc/MYCN Rabbit mAb (A28719) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



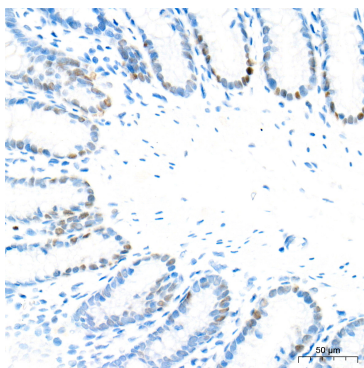
Validation Data

Confocal imaging of HT-29 cells using N-Myc/MYCN Rabbit mAb (A28719, dilution 1:400) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Human oophoroma tissue using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.