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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,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
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℃. 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

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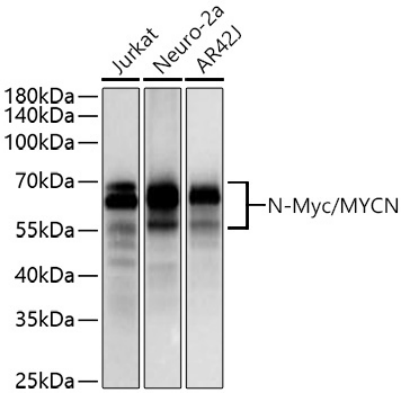
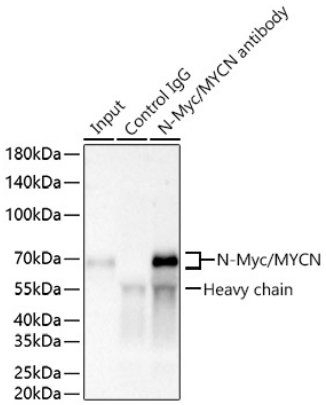
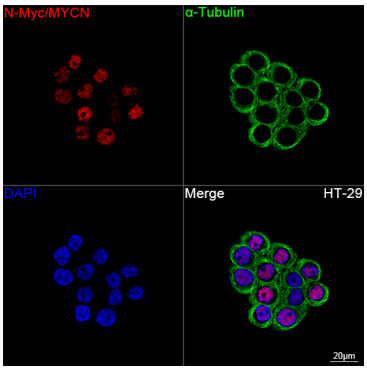
Validation Data



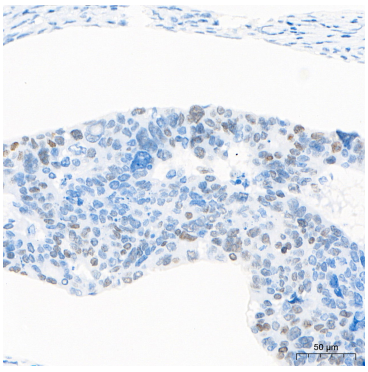
Western blot analysis of various lysates using N-Myc/MYCN Rabbit mAb (A28719) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: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



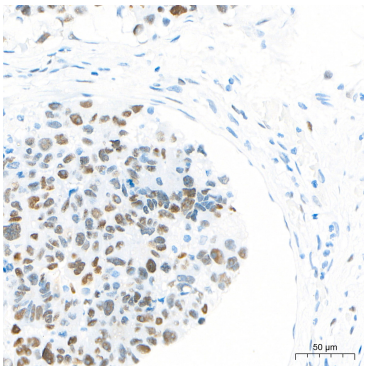
Immunoprecipitation of N-Myc/MYCN from 300 µg extracts of Neuro-2a cells was performed using 4 µg of N-Myc/MYCN Rabbit mAb (A28719). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input.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



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.

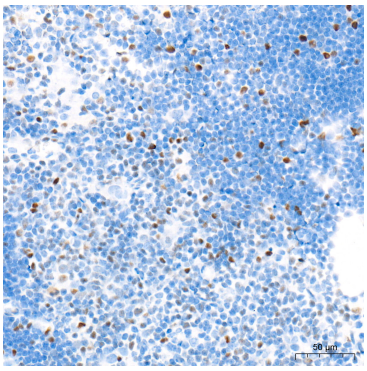


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

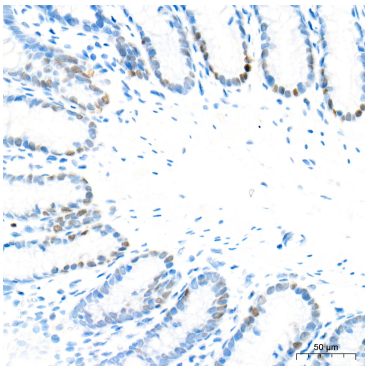


Immunohistochemistry analysis of paraffin-embedded Human oophoroma tissue using N-Myc/MYCN Rabbit mAb (A28719) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



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 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.