

Product Datasheet

n-Myc Antibody (NMYC-1) - BSA Free NB200-109

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB200-109

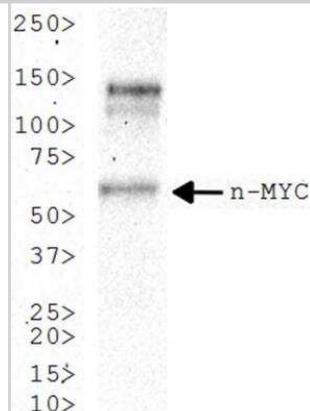
n-Myc Antibody (NMYC-1) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	NMYC-1
Preservative	0.02% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	4613
Gene Symbol	MYCN
Species	Human, Mouse
Specificity/Sensitivity	This antibody does not react with c-Myc or L-Myc.
Immunogen	A synthetic peptide (SPYVESEDAPPQKC) conjugated to KLH, corresponding to amino acids 327-339 of human n-Myc. [UniProt# P04198]
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Flow Cytometry, Gel Super Shift Assays, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready
Recommended Dilutions	Western Blot 1:500 - 1:1000, Chromatin Immunoprecipitation 1:10 - 1:500. Use reported in scientific literature (PMID 21068393), Flow Cytometry reported in scientific literature (PMID 27539729), Immunocytochemistry/ Immunofluorescence 1:50 - 1:100, Immunoprecipitation 1:10 - 1:100, Gel Super Shift Assays 1:1 - 1:100. Use reported in scientific literature (PMID 21068393), Chromatin Immunoprecipitation (ChIP) 1:10-1:500, CyTOF-ready
Application Notes	In Western blot a band can be seen at ~50-65 kDa.

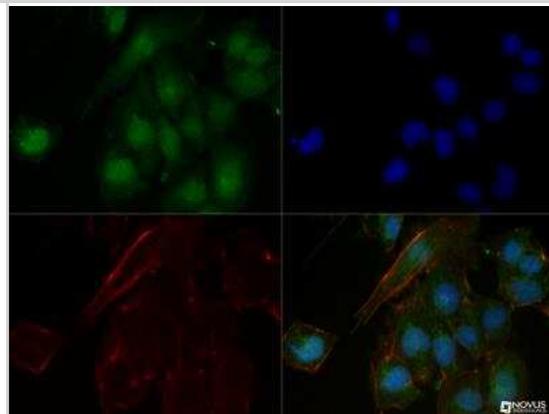


Images

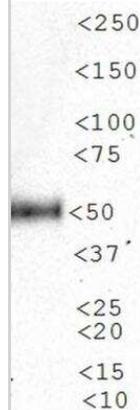
Western Blot: n-Myc Antibody (NMYC-1) [NB200-109] - Analysis of n-Myc expression in IMR32 whole cell lysate.



Immunocytochemistry/Immunofluorescence: n-Myc Antibody (NMYC-1) [NB200-109] - The n-Myc (NMYC-1) antibody was tested in NTERA2 cells at a 1:50 dilution against Dylight 488 (Green). Actin and nuclei were counterstained against Phalloidin 568 (Red) and DAPI (Blue), respectively.



Western Blot: n-Myc Antibody (NMYC-1) [NB200-109] - Analysis of n-Myc expression in human heart tissue.



Publications

Ton AT, Foo J, Singh K et al. Development of VPC-70619, a Small-Molecule N-Myc Inhibitor as a Potential Therapy for Neuroendocrine Prostate Cancer International journal of molecular sciences 2022-02-26 [PMID: 35269731] (PLA, Human)

Gupta R, Turati V, Brian D et al. Nov/CCN3 Enhances Cord Blood Engraftment by Rapidly Recruiting Latent Human Stem Cell Activity Cell Stem Cell. [PMID: 32197066] (FLOW, Human)

Yang Y, Ding L, Zhou Q et al. Silencing of AURKA augments the antitumor efficacy of the AURKA inhibitor MLN8237 on neuroblastoma cells Cancer Cell Int. 2020-01-07 [PMID: 31920463] (WB, Mouse)

Murakami-Tonami Y, Ikeda H, Yamagishi R et al. SGO1 is involved in the DNA damage response in MYCN-amplified neuroblastoma cells. Sci Rep. 2016-08-19 [PMID: 27539729] (WB, FLOW, Chemotaxis, Human)

Murakami-Tonami Y, Kishida S, Takeuchi I et al. Inactivation of SMC2 shows a synergistic lethal response in MYCN-amplified neuroblastoma cells. Cell Cycle 2014-01-01 [PMID: 24553121]

Tasseva G, Cole L, Vance JE. N-Myc and SP regulate phosphatidylserine synthase-1 expression in brain and glial cells. J Biol Chem 286(2):1061-73. 2011-01-14 [PMID: 21068393]



Procedures

Western Blot Protocol for NB200-109: n-Myc Antibody (NMYC-1)

n-Myc Antibody (NMYC-1):

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 40 ug of total protein per lane.
2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot.
5. Block the membrane using standard blocking buffer for at least 1 hour.
6. Wash the membrane in wash buffer three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate 1 hour at room temperature.
8. Wash the membrane in wash buffer three times for 10 minutes each.
9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





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Products Related to NB200-109

NBL1-13417	n-Myc Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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