

Product Datasheet

c-Myc Antibody NB600-302SS

Unit Size: 0.025 ml

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

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NB600-302SS

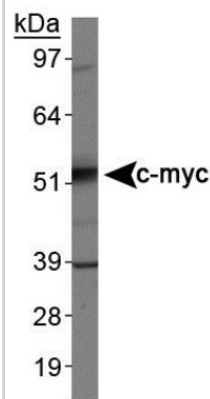
c-Myc Antibody (9E10)

Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9E10
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Tris-glycine, 150 mM NaCl
Product Description	
Host	Mouse
Gene ID	4609
Gene Symbol	MYC
Species	Human, Mouse, Drosophila
Species Reactivity	Human, mouse and Drosophila.
Specificity/Sensitivity	Specific for the c-myc protein in random coil configuration, not as a helix. 9E10 does not react with V-myc.
Immunogen	A synthetic peptide corresponding to amino acids 408-439 (AEEQKLISEEDLLRKRREQLKHKLEQLRNCSA) of human c-Myc. [UniProt# P01106]
Product Application Details	
Applications	Western Blot, Simple Western, Chromatin Immunoprecipitation, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	ELISA 1:100-1:2000, Flow Cytometry 1:50-1:200, Immunocytochemistry/Immunofluorescence 1:50-1:200, Immunohistochemistry 1:50-1:200, Immunohistochemistry-Frozen 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200, Immunoprecipitation 1:10-1:500, Western Blot 0.5-2.0 ug/ml, Chromatin Immunoprecipitation, Simple Western 1:200
Application Notes	This c-Myc antibody clone 9E10 is useful for Flow Cytometry (PMID: 21315712), Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin and Immunoprecipitation. In Simple Western only 10-15 uL of the recommended dilution is used per data point.

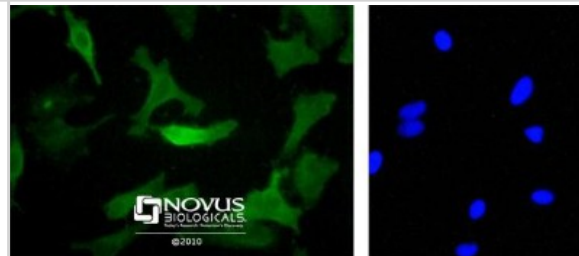


Images

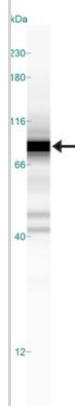
Western Blot: c-Myc Antibody (9E10) [NB600-302] - Analysis of c-myc in Jurkat cell lysates using NB600-302.



Immunocytochemistry/Immunofluorescence: c-Myc Antibody (9E10) [NB600-302] - HeLa cells stained NB600-302 (Green) detected with DyLight Fluor 488 conjugated anti-mouse IgG secondary antibody. Nuclei are counterstained with Hoechst 33258 (Blue).



Simple Western: c-Myc Antibody (9E10) [NB600-302] - Simple Western lane view shows a specific band for c-Myc in 0.5 mg/ml of Jurkat lysate. This experiment as performed under reducing conditions using the 12-230 kDa separation system.



Publications

Iampietro M, Morissette G, Gravel A, Flamand L. Inhibition of Interleukin-2 Gene Expression by Human Herpesvirus 6B U54 Tegument Protein. *J Virol*. 2014 Aug 13 [PMID: 25122797] (WB, Human)

Pekkurnaz G, Trinidad JC, Wang X et al. Glucose Regulates Mitochondrial Motility via Milton Modification by O-GlcNAc Transferase. *Cell* 2014 Jul 03 [PMID: 24995978] (ICC/IF)

Details:

COS7 cells transfected with empty vector or myc-hMilton1 (Figure S3).

Barnett TC, Liebl D, Seymour LM et al. The Globally Disseminated M1T1 Clone of Group A Streptococcus Evades Autophagy for Intracellular Replication. *Cell Host Microbe* 2013 Dec 11 [PMID: 24331465] (ICC/IF)

Hubbi ME, Hu H, Kshitiz NF et al. Sirtuin-7 Inhibits the Activity of Hypoxia-Inducible Factors *J Biol Chem* 2013 June 9 [PMID: 23750001]

Megill A, Lee T, Dibattista AM et al. A Tetra(Ethylene Glycol) Derivative of Benzothiazole Aniline Enhances Ras-Mediated Spinogenesis. *J Neurosci* 2013 May 29 [PMID: 23719799] (ICC/IF)

Wang H, Shi LZ, Wong CC et al. The Interaction of CtIP and Nbs1 Connects CDK and ATM to Regulate HR-Mediated Double-Strand Break Repair. *PLoS Genet* 2013 Feb [PMID: 23468639] (WB)

Lu CS, Truong LN, Aslanian A et al. The RING finger protein RNF8 ubiquitinates Nbs1 to promote DNA double-strand break repair by homologous recombination *J Biol Chem* 2012 Oct 31 [PMID: 23115235] (IP)

Santini E, Feyder M, Gangarossa G et al. Dopamine- and cAMP-regulated Phosphoprotein of 32-kDa (DARPP-32)-dependent Activation of Extracellular Signal-regulated Kinase (ERK) and Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling in Experimental Parkinsonism *J Biol Chem* 2012 Aug 10 [PMID: 22753408] (IP, Mouse)

Hubbi ME, Luo W, Baek JH et al. MCM proteins are negative regulators of hypoxia-inducible factor 1. *Mol Cell*. Jun. 2011 [PMID: 21658608] (IP, WB, Human)

Wang H, Shao Z, Shi LZ et al. CtIP Protein Dimerization Is Critical for Its Recruitment to Chromosomal DNA Double-stranded Breaks *J Biol Chem* 2012 Jun 15 [PMID: 22544744] (IP, WB, Human)

Zhao Y, Wang Y, Hu J, Zhang X, Zhang YW. CutA divalent cation tolerance homolog (*E. coli*) (CUTA) regulates Beta-cleavage of Beta-amyloid precursor protein (APP) through interacting with Beta-Site APP cleaving protein 1 (BACE1) *J Biol Chem* 2012 Feb 17 [PMID: 22351782] (WB, Human)

Trinkle-Mulcahy L, Chusainow J, Lam YW, Swift S, Lamond A. Visualization of intracellular PP1 targeting through transiently and stably expressed fluorescent protein fusions. *Methods Mol Biol*;365:133-54. 2007 [PMID: 17200560] (WB, IP, ICC/IF, Human)

More publications at <http://www.novusbio.com/NB600-302>



Procedures

Protocol specific for c-myc Antibody (NB600-302)

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 25 ug of total protein per lane.
 2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
 3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
 4. Rinse the blot in TBS for approximately 5 minutes.
 5. Block the membrane using 5% NFDM + 1% BSA in TBS + Tween, 1 hour at RT.
 6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
 7. Dilute the mouse anti-c-myc primary antibody (NB600-302) in blocking buffer and incubate 1 hour at room temperature.
 8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
 9. Apply the diluted mouset-IgG 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 [TBS + 0.1% Tween] 3 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 (Pierce ECL).
- Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

