Datasheet for ABIN2855631

anti-c-MYC antibody (Center)

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Overview

Quantity:	100 µL
Target:	c-MYC (MYC)
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-MYC antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human c-Myc. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee
Cross-Reactivity (Details):	Chimpanzee (100 %)
Characteristics:	Rabbit Polyclonal antibody to c-Myc (v-myc myelocytomatosis viral oncogene homolog (avian)) c-Myc antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	c-MYC (MYC)
Alternative Name:	C-Myc (MYC Products)
Background:	The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. Cellular Localization: Nucleus
Molecular Weight:	49 kDa
Gene ID:	4609
Pathways:	p53 Signaling, Cell Division Cycle, Sensory Perception of Sound, Transition Metal Ion Homeostasis, Mitotic G1-G1/S Phases, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Positive Regulation of Response to DNA Damage Stimulus, Warburg Effect

Application Details

Application Notes:	Suggested dilution Reference ChIP assay Assay-dependent dilution ICC/IF 1:100-1:1000* Immunoprecipitation 1:100-1:500* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceChIP assayAssay-dependent dilution ICC/IF1:100-1:1000* Immunoprecipitation1:100-1:500* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , NIH-3T3 , Raw264.7 , HeLa , HeLa nuclear extract
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL

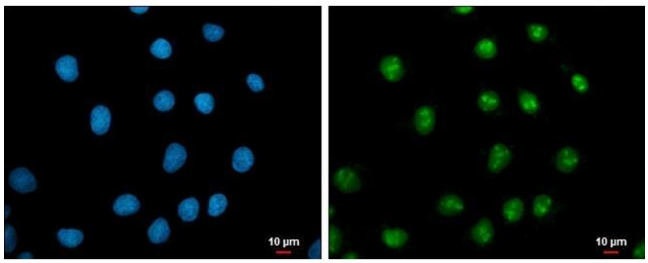
Handling

Buffer:	1XPBS, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:	Kitano, Kino, Yamamoto, Takitani, Miyoshi, Ishida, Saito, Arima, Satoh: "Bioinformatics Data Mining Approach Suggests Coexpression of AGTPBP1 with an ALS-linked Gene C9orf72." in: **Journal of central nervous system disease**, Vol. 7, pp. 15-26, (2015) (PubMed).

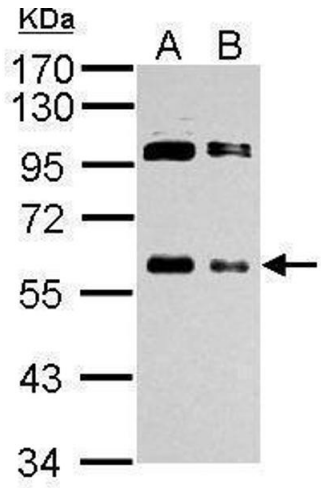
Images



Immunofluorescence

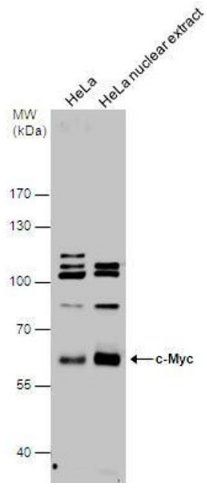
Image 1. ICC/IF Image c-Myc antibody detects c-Myc protein at nucleus by immunofluorescent analysis. Sample: NT2D1 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: c-Myc protein stained by c-Myc antibody , diluted at 1:200. Blue: Hoechst 33342 staining. Scale bar = 10 µm.

Images



Western Blotting

Image 2. WB Image Sample (whole cell lysate) A: 293T 20ug B: 293T 10ug 10% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image c-Myc antibody detects c-Myc protein by western blot analysis. HeLa whole cell extracts and nuclear extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with c-Myc antibody , diluted at 1:1000.

Please check the product details page for more images. Overall 8 images are available for ABIN2855631.