Datasheet for ABIN7268711

anti-c-MYC antibody

6 Images

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Overview

Quantity:	100 µL
Target:	c-MYC (MYC)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This c-MYC antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	[KO Validated] c-Myc Rabbit mAb
Immunogen:	A synthesized peptide derived from human c-Myc
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

Target Details

Target:	c-MYC (MYC)
Alternative Name:	MYC (MYC Products)

Target Details

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. [provided by RefSeq, Jul 2008],MRTL;MYCC;bHLHe39;c-Myc;MYC,Apoptosis,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle_Cell differentiation,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,G1/S Checkpoint,Hedgehog Signaling Pathway,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,MAPK-Erk Signaling Pathway,MAPK-P38 Signaling Pathway,Notch Signaling Pathway,Protein phosphorylation,Signal Transduction,Stem Cells,Transcription Factors,Tumor biomarkers,Warburg Effect,MYC
Molecular Weight:	57kDa
Gene ID:	4609
UniProt:	P01106
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:	WB,1:500 - 1:2000,IF,1:50 - 1:200,ChIP,1:50 - 1:200
Restrictions:	For Research Use only

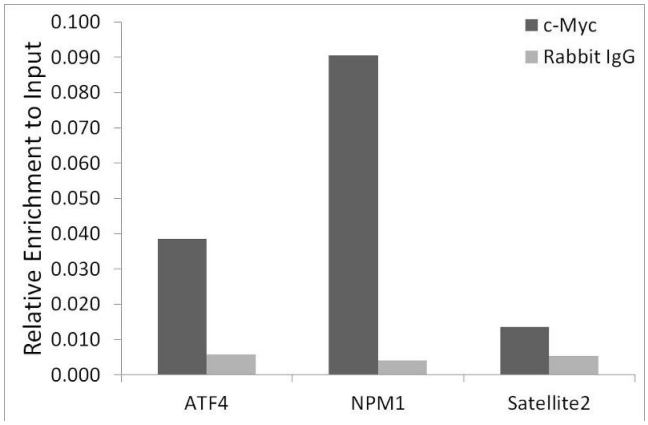
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

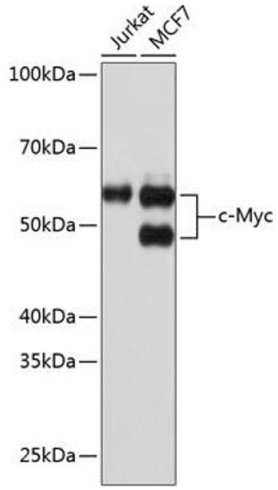
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



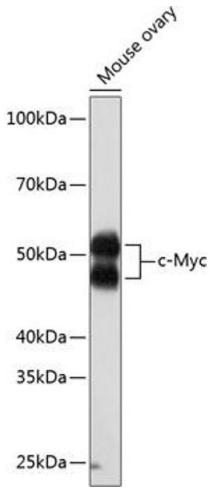
Chromatin Immunoprecipitation

Image 1. Chromatin immunoprecipitation analysis of extracts of K-562 cells, using c-Myc antibody (ABIN7268711) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using c-Myc antibody (ABIN7268711) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 10s.



Western Blotting

Image 3. Western blot analysis of extracts of Mouse ovary, using c-Myc antibody (ABIN7268711) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 3 min.

Images

Please check the product details page for more images. Overall 6 images are available for ABIN7268711.