

Datasheet for ABIN7214262
anti-c-MYC antibody (AA 360-440)

6 Images

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Overview

Quantity:	100 µL
Target:	c-MYC (MYC)
Binding Specificity:	AA 360-440
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-MYC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	c-Myc Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the C-terminal region of human c-Myc at AA range: 360-440
Isotype:	IgG
Specificity:	C-Myc Polyclonal Antibody detects endogenous levels of c-Myc protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	c-MYC (MYC)
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Target Details

Alternative Name:	c-Myc (MYC Products)
Background:	Rabbit Anti-c-Myc Polyclonal Antibody, MYC, BHLHE39, Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, bHLHe39, Proto-oncogene c-Myc, Transcription factor p64, V-myc avian myelocytomatosis viral oncogene homolog encoded by MYC 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 MYC. Myc proto-oncogene protein
Molecular Weight:	observed band 50, (also ~60kDa in some samples) kDa
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:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:40000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

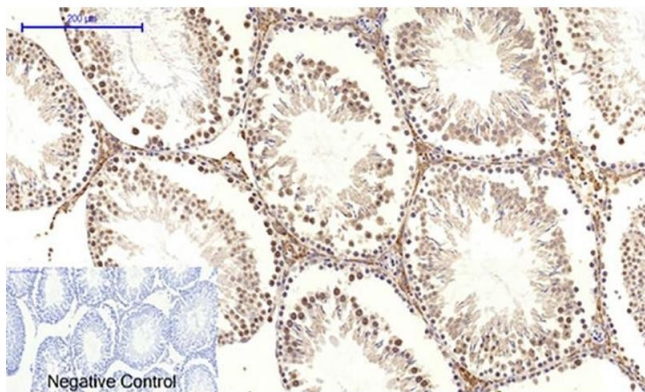
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Handling

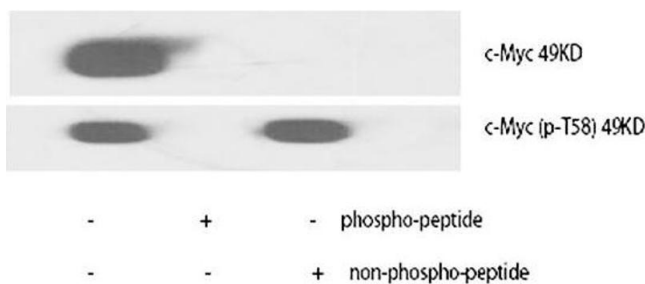
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



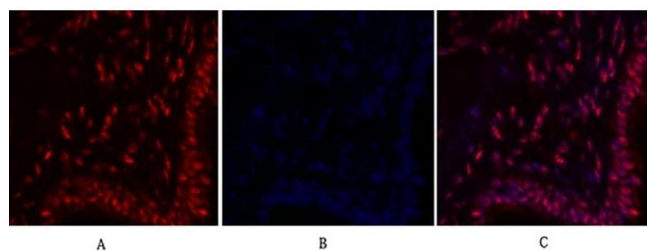
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rat testis tissue. 1, c-Myc Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blotting

Image 2. Western Blot analysis of various cells using c-Myc Polyclonal Antibody diluted at 1:1000.



Immunofluorescence

Image 3. Immunofluorescence analysis of human lung tissue. 1, c-Myc Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7214262.