



Catalog: OM105970

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# Rabbit anti-MYC polyclonal antibody - N-terminal region

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☐ 100ug

## Product profile

Product name	Rabbit anti-MYC polyclonal antibody - N-terminal region
Antibody Type	Tags Antibodies
Immunogen	The immunogen for anti-MYC antibody: synthetic peptide directed towards the N terminal of human MYC

## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IHC
Species Reactivity	Bovine Dog Guinea Pig Human Mouse Pig Rabbit Rat Sheep
Concentration	1 mg/ml
Purification	Affinity purified

## Target Information

Gene Symbol	MYC
Gene Synonyms	c-Myc; MRTL; bHLHe39
Gene Full Name	V-myc myelocytomatosis viral oncogene homolog (avian)
Gene Summary	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 MYC gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. 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. 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.

<b>Alternative Names</b>	c-Myc, MRTL, bHLHe39
<b>Molecular Weight(MW)</b>	50kDa
<b>Sequence</b>	454 amino acids

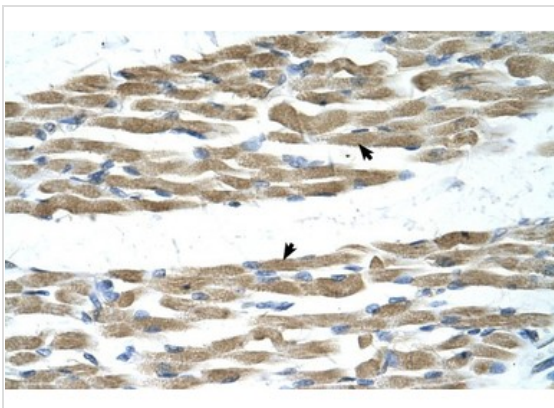
## Database Links

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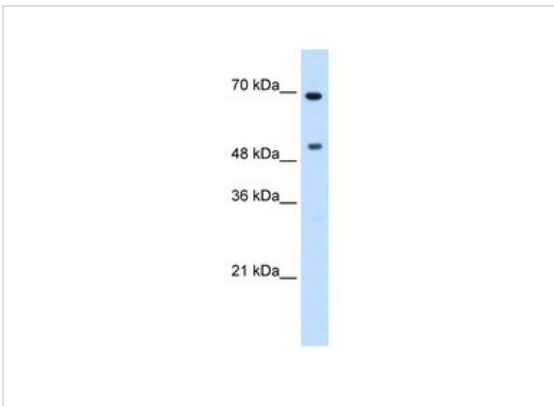
<b>Entrez Gene</b>	4609
<b>SwissProt ID</b>	P01106
<b>Protein Accession</b>	NP_002458

## Application

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**Immunohistochemical**



**Western blot**  
0.0625ug/ml  
Positive Control: Transfected 293T

## Additional Information

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<b>Form</b>	Liquid
<b>Storage Instructions</b>	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles
<b>Storage Buffer</b>	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Note</b>	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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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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