

# Phospho-c-Myc (Ser62) Rabbit mAb

Catalog # AP77329

## Product Information

<b>Application</b>	WB, IHC-P, IF, ICC, IP
<b>Primary Accession</b>	<a href="#">P01106</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human Phospho-c-Myc (S62)
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	50565

## Additional Information

<b>Gene ID</b>	4609
<b>Other Names</b>	MYC
<b>Dilution</b>	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A IP~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

<b>Name</b>	MYC
<b>Synonyms</b>	BHLHE39
<b>Function</b>	Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' (PubMed: <a href="#">24940000</a> , PubMed: <a href="#">25956029</a> ). Activates the transcription of growth-related genes (PubMed: <a href="#">24940000</a> , PubMed: <a href="#">25956029</a> ). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed: <a href="#">24940000</a> , PubMed: <a href="#">25956029</a> ). Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells (By similarity). Functions with TAF6L to activate target gene expression through RNA polymerase II pause release (By similarity). Positively regulates transcription of HNRNPA1, HNRNPA2 and PTBP1 which in turn regulate splicing of pyruvate kinase PKM by binding repressively to sequences flanking PKM exon 9, inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production

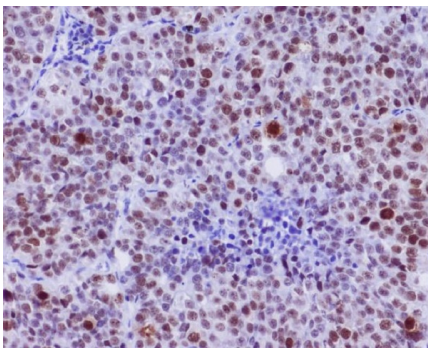
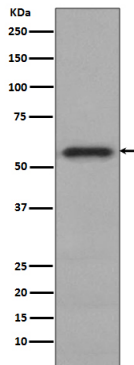
of the PKM M2 isoform (PubMed:[20010808](#)).

## Cellular Location

Nucleus, nucleoplasm. Nucleus, nucleolus. Nucleus. Cytoplasm Chromosome.  
Note=Association with chromatin is reduced by hyperphosphorylation  
(PubMed:30158517) Localization to the nucleolus is dependent on HEATR1  
(PubMed:38225354)

## Images

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