

**MYC / c-Myc Antibody (aa25-74)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15021**

## Specification

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### MYC / c-Myc Antibody (aa25-74) - Product Information

Application	IHC
Primary Accession	<a href="#">P01106</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa KDa

### MYC / c-Myc Antibody (aa25-74) - Additional Information

Gene ID 4609

#### Other Names

Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, bHLHe39, Proto-oncogene c-Myc, Transcription factor p64, MYC, BHLHE39

#### Target/Specificity

MYC (Ab-58) Antibody detects endogenous levels of total MYC protein.

#### Reconstitution & Storage

Store at -20°C for up to one year.

#### Precautions

MYC / c-Myc Antibody (aa25-74) is for research use only and not for use in diagnostic or therapeutic procedures.

### MYC / c-Myc Antibody (aa25-74) - Protein Information

Name MYC

Synonyms BHLHE39

#### Function

Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' (PubMed: [24940000](http://www.uniprot.org/citations/24940000), PubMed: [25956029](http://www.uniprot.org/citations/25956029)). Activates the transcription of growth-related genes (PubMed: [24940000](http://www.uniprot.org/citations/24940000), PubMed: [25956029](http://www.uniprot.org/citations/25956029)). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed: [24940000](http://www.uniprot.org/citations/24940000), PubMed: [25956029](http://www.uniprot.org/citations/25956029)). 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:<a href="http://www.uniprot.org/citations/20010808" target="\_blank">20010808</a>).

**Cellular Location**

Nucleus, nucleoplasm. Nucleus, nucleolus. Nucleus. Cytoplasm

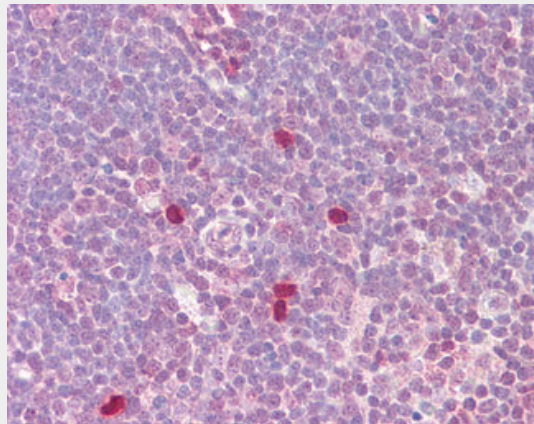
**Volume**

50 µl

**MYC / c-Myc Antibody (aa25-74) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MYC / c-Myc Antibody (aa25-74) - Images**

Anti-MYC / c-Myc antibody IHC of human thymus.

**MYC / c-Myc Antibody (aa25-74) - Background**

Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Activates the transcription of growth-related genes.

**MYC / c-Myc Antibody (aa25-74) - References**

Batley J., et al. Cell 34:779-787(1983).  
Bernard O., et al. EMBO J. 2:2375-2383(1983).  
Colby W.W., et al. Nature 301:722-725(1983).  
Watt R., et al. Nature 303:725-728(1983).

Rabbitts T.H., et al. Nature 306:760-765(1983).

**MYC / c-Myc Antibody (aa25-74) - Citations**

- [Overexpression of miR-214 promotes the progression of human osteosarcoma by regulating the Wnt/ \$\beta\$ -catenin signaling pathway.](#)