

MYC / c-Myc Antibody (aa408-420)
Mouse Monoclonal Antibody
Catalog # ALS15586**Specification**

MYC / c-Myc Antibody (aa408-420) - Product Information

Application	IHC
Primary Accession	P01106
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	49kDa KDa

MYC / c-Myc Antibody (aa408-420) - 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

Recognizes C-myc in human nuclear protein. Nuclear protein involved in regulation of cell cycle and apoptosis.

Reconstitution & Storage

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C.

Precautions

MYC / c-Myc Antibody (aa408-420) is for research use only and not for use in diagnostic or therapeutic procedures.

MYC / c-Myc Antibody (aa408-420) - 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). 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

Volume

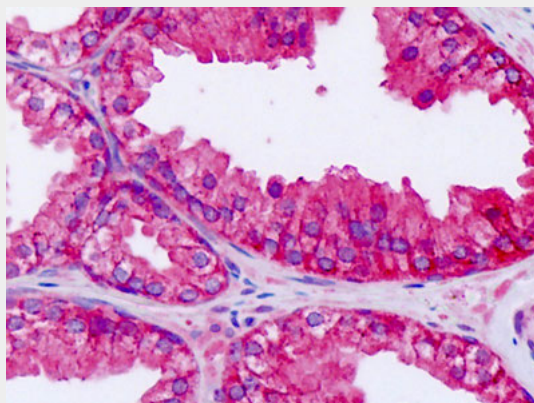
50 µl

MYC / c-Myc Antibody (aa408-420) - 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 (aa408-420) - Images



Anti-MYC / c-Myc antibody IHC staining of human prostate.

MYC / c-Myc Antibody (aa408-420) - 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 (aa408-420) - 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).