10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MYC / c-Myc Antibody (aa408-439, clone 9E10)

Mouse Monoclonal Antibody
Catalog # ALS13055

Specification

MYC / c-Myc Antibody (aa408-439, clone 9E10) - Product Information

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

MYC / c-Myc Antibody (aa408-439, clone 9E10) - 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
Amino acids 408-439, C-terminal region of human c-myc.

Reconstitution & Storage
+4°C. Store undiluted.

Precautions
MYC / c-Myc Antibody (aa408-439, clone 9E10) is for research use only and not for use in diagnostic or therapeutic procedures.

MYC / c-Myc Antibody (aa408-439, clone 9E10) - 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, PubMed:25956029). Activates the transcription of growth-related genes (PubMed:24940000, PubMed:25956029). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed: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).

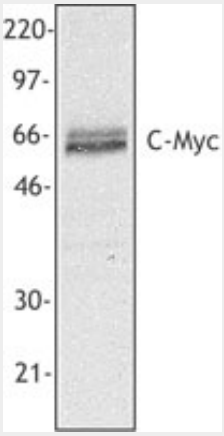
Cellular Location
Nucleus, nucleoplasm. Nucleus, nucleolus. Nucleus. Cytoplasm Note=Localization to the nucleolus is dependent on HEATR1

MYC / c-Myc Antibody (aa408-439, clone 9E10) - Protocols

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

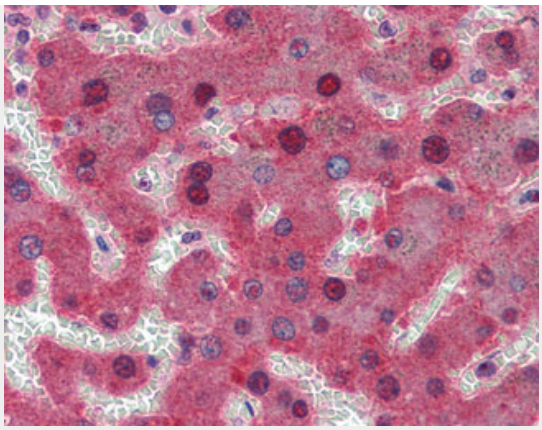
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MYC / c-Myc Antibody (aa408-439, clone 9E10) - Images

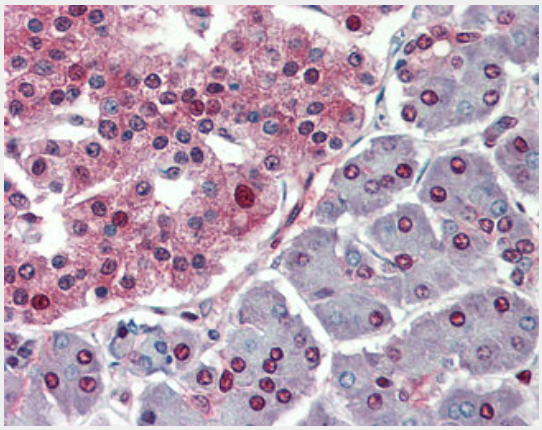


Jurkat extract probed with anti-c-myc monoclonal antibody.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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



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

MYC / c-Myc Antibody (aa408-439, clone 9E10) - 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 (aa408-439, clone 9E10) - References

Battey 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).