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c-Myc Antibody

Rabbit mAb
Catalog # AP90206

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P01106
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	c-Myc; Class E basic helix-loop-helix protein 39; MRTL; MYC; Myc proto-oncogene protein; v-myc;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	50565

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human c-Myc
Description	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 a proto-oncogenic transcription factor that plays a role in cell proliferation, apoptosis and in the development of human tumors.. Seems to activate the transcription of growth-related genes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

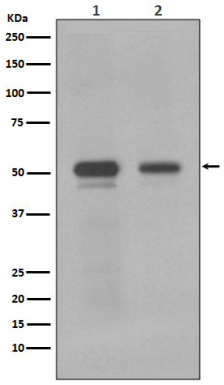
Name	MYC
Synonyms	BHLHE39
Function	Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' (PubMed:24940000, PubMed:25956029). Activates the transcription of growth-related genes (PubMed:24940000, PubMed:25956029). Binds to the 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 Chromosome. Note=Association with chromatin is reduced by hyperphosphorylation (PubMed:30158517) Localization to the nucleolus is dependent on HEATR1 (PubMed:38225354)

Images



Western blot analysis of c-Myc expression in (1) Jurkat cell lysate;(2) K562 cell lysate.

Image not found : 202311/AP90206-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human lung cancer, using c-Myc Antibody.

Image not found : 202311/AP90206-IF.jpg

Immunofluorescent analysis of HeLa cells, using c-Myc Antibody.

Image not found : 202311/AP90206-wb5.jpg

USP9X controls translation efficiency via deubiquitination of eukaryotic translation initiation factor 4A1. -Nucleic Acids Research

Image not found : 202311/AP90206-wb6.jpg

miR-139-5p reverses stemness maintenance and metastasis of colon cancer stem-like cells by targeting E2-2. -JOURNAL OF CELLULAR PHYSIOLOGY

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