

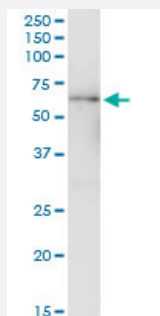
MaxPab®

MYC MaxPab rabbit polyclonal antibody (D01)

Catalog # H00004609-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of MYC transfected lysate using anti-MYC MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with MYC monoclonal antibody (M02), clone 1G7 ([H00004609-M02](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human MYC protein.

Immunogen

MYC (ENSP00000259523, 1 a.a. ~ 439 a.a) full-length human protein.

Sequence

MPLNVSFTNRNYDLDYDSVQPYFYCDEEENFYQQQQQSELQPPAPSEDWKKFELLTPPLSPS
RRSGLCSPSYAVTPFSLRGDNDGGGGSFSTADQLEMVTELLGGDMVNQSFICDPDDETFIKNIII
QDCMWSGFSAAKLVSEKLASYQAARKDSGSPNPARGHSVCSTSSLYLQDLSAAASECIDPSV
VFPYPLNDSSSPKSCASQDSSAFSPSSDLSSTESSPQGSPEPLVLHEETPPTTSSDSEEEQE
DEEIDVVSVEKRQAPGKRSESGSPSAGGHSKPPHSPLVLKRCHVSTHQHNYAAPPSTRKDYP
AAKRVKLDVSRVLRQISNNRKCTSPRSSDTEENVKRRTHNVLERQRRNELKRSFFALRDQIPELE
NNEKAPKVVLKKATAYILSVQAEEQKLISEEDLLRKRREQLKHKLEQLRNSCA

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (91); Rat (90)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — MYC

Entrez GeneID [4609](#)

GeneBank Accession# [ENST00000259523](#)

Protein Accession# [ENSP00000259523](#)

Gene Name MYC

Gene Alias bHLHe39, c-Myc

Gene Description v-myc myelocytomatosis viral oncogene homolog (avian)

Omim ID [113970 190080](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemia and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq]

Other Designations

avian myelocytomatosis viral oncogene homolog|myc proto-oncogene protein|v-myc avian myelocytomatosis viral oncogene homolog

Pathway

- [Acute myeloid leukemia](#)

- [Bladder cancer](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [TGF-beta signaling pathway](#)
- [Thyroid cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)

- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)