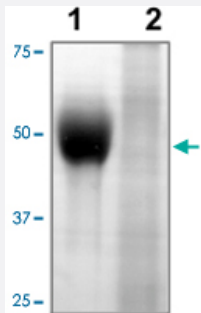


MYC tag polyclonal antibody

Catalog # PAB12716 Size 100 ug

Applications



Western Blot (Transfected lysate)

The cell lysate of 293 with over-expressed MYC tagged recombinant protein was resolved onto 10% SDS-PAGE, then transferred onto NC membrane. Followed by an immune-blotting with MYC tag polyclonal antibody (Cat # PAB12716) at 1 : 1000.

Lane 2 was pre-incubated by immunizing peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MYC tag.
Immunogen	A synthetic peptide corresponding to amino acids 408-452 of human MYC tag.
Sequence	EQKLISEEDL
Host	Rabbit
Specificity	This antibody recognizes MYC tagged fusion proteins.
Form	Liquid
Isotype	IgG
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (BSA, 10% Proclin300)

Storage Instruction

Store at 4°C. For long term storage store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MYC

Entrez GeneID	4609
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Gene Name	MYC
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Gene Alias	bHLHe39, c-Myc
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Gene Description	v-myc myelocytomatosis viral oncogene homolog (avian)
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Omim ID	113970 190080
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Gene Ontology	Hyperlink
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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]
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Other Designations	avian myelocytomatosis viral oncogene homolog myc proto-oncogene protein v-myc avian myelocytomatosis viral oncogene homolog
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Publication Reference

- [Paradoxical effects of DNA tumor virus oncogenes on epithelium-derived tumor cell fate during tumor progression and chemotherapy response.](#)

Jiang He, Liyu Liu, Feiyu Tang, You Zhou, Huan Liu, Can Lu, Deyun Feng, Hong Zhu, Yitao Mao, Zhi Li, Lu Zhang, Yuemei Duan, Zhi Xiao, Musheng Zeng, Liang Weng, Lun-Quan Sun.

Signal Transduction and Targeted Therapy 2021 Nov; 6(1):408.

Application: WB-Tr, Human, HEK 293T (Bosc 23) cells

- [The alternative carboxyl termini of avian cardiac and brain sarcoplasmic reticulum/endoplasmic reticulum Ca\(2+\)-ATPases are on opposite sides of the membrane.](#)

Campbell AM, Kessler PD, Fambrough DM.

The Journal of Biological Chemistry 1992 May; 267(13):9321.

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](#)