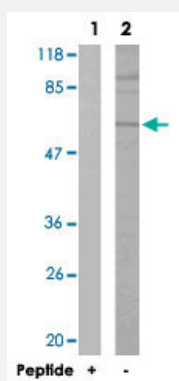


MYC polyclonal antibody

Catalog # PAB18491 Size 100 ug

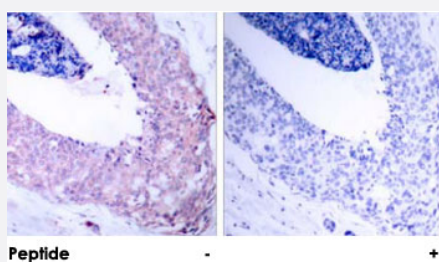
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from human ovarian cancer cells using MYC polyclonal antibody (Cat # PAB18491).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MYC polyclonal antibody (Cat # PAB18491).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MYC.
Immunogen	A synthetic peptide corresponding to residues surrounding T58 of human MYC.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to MYC.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from human ovarian cancer cells using MYC polyclonal antibody (Cat # PAB18491).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MYC polyclonal antibody (Cat # PAB18491).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MYC

Entrez GeneID	4609
Protein Accession#	P01106
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

Publication Reference

- [Tobacco-specific nitrosamine 4-\(methylnitrosamino\)-1-\(3-pyridyl\)-1-butanone promotes functional cooperation of Bcl2 and c-Myc through phosphorylation in regulating cell survival and proliferation.](#)

Jin Z, Gao F, Flagg T, Deng X.

The Journal of Biological Chemistry 2004 Sep; 279(38):40209.

Application: IP, WB, Human, A-549, H1299, H157, H460, H69, H82 cells

- [The Fbw7 tumor suppressor regulates glycogen synthase kinase 3 phosphorylation-dependent c-Myc protein degradation.](#)

Welcker M, Orian A, Jin J, Grim JE, Harper JW, Eisenman RN, Clurman BE.

PNAS 2004 Jun; 101(24):9085.

Application: WB-Tr, Human, HeLa, HEK 293, HFF, U-2 OS cells

- [The Max network gone mad.](#)

Baudino TA, Cleveland JL.

Molecular and Cellular Biology 2001 Feb; 21(3):691.

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](#)