

c-MYC (PTR2340) Mouse mAb

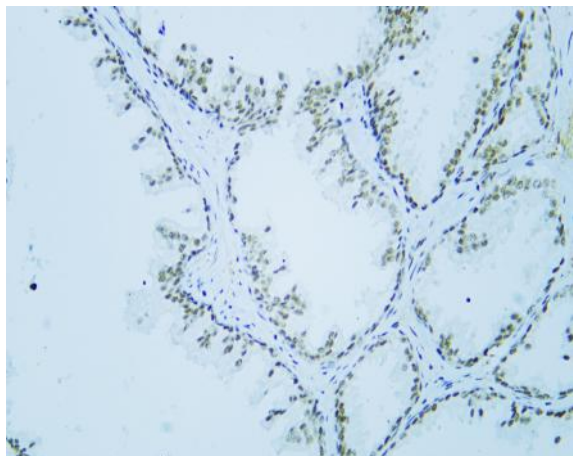
Catalog No :	YM4677
Reactivity :	Human (predicted: Mouse; Rat)
Applications :	WB;ELISA
Target :	c-Myc
Fields :	>>MAPK signaling pathway;>>ErbB signaling pathway;>>Cell cycle;>>PI3K-Akt signaling pathway;>>Cellular senescence;>>Wnt signaling pathway;>>TGF-beta signaling pathway;>>Hippo signaling pathway;>>Signaling pathways regulating pluripotency of stem cells;>>JAK-STAT signaling pathway;>>Thyroid hormone signaling pathway;>>Salmonella infection;>>Hepatitis C;>>Hepatitis B;>>Human cytomegalovirus infection;>>Human T-cell leukemia virus 1 infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Proteoglycans in cancer;>>MicroRNAs in cancer;>>Chemical carcinogenesis - receptor activation;>>Colorectal cancer;>>Endometrial cancer;>>Thyroid cancer;>>Bladder cancer;>>Chronic myeloid leukemia;>>Acute myeloid leukemia;>>Small cell lung cancer;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer;>>Central carbon metabolism in cancer
Gene Name :	MYC BHLHE39
Protein Name :	Myc proto-oncogene protein (Class E basic helix-loop-helix protein 39) (bHLHe39) (Proto-oncogene c-Myc) (Transcription factor p64)
Human Gene Id :	4609
Human Swiss Prot No :	P01106
Mouse Gene Id :	17869
Mouse Swiss Prot No :	P01108
Rat Gene Id :	24577
Rat Swiss Prot No :	P09416

Immunogen :	Synthesized peptide derived from human c-MYC AA range: 340-438
Specificity :	This antibody detects endogenous levels of c-MYC at Human, Mouse,Rat
Formulation :	PBS, pH7.4, 50% glycerol, 0.03%Proclin 300
Source :	Mouse, monoclonal IgG2b,Kappa
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	Protein G
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	48kDa
Background :	<p>v-myc avian myelocytomatosis viral oncogene homolog(MYC) Homo sapiens</p> <p>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, leukemias 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, Jul 2008],</p>
Function :	<p>disease:A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia. Translocation t(8;12)(q24;q22) with BTG1.,disease:Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors.,function:Participates in the regulation of gene transcription. Binds DNA both in a non-specific manner and also specifically to recognizes the core sequence 5'-CAC[GA]TG-3'. Seems to activate the transcription of growth-related genes.,online information:Myc entry,PTM:Phosphorylated by PRKDC.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Binds DNA as a heterodimer with MAX. Interacts with TAF1C and SPAG9. Interacts with PARP10. Interacts with KDM5A and KDM5B.,</p>
Subcellular Location :	Nucleus, nucleoplasm . Nucleus, nucleolus .
Tag :	hot
Sort :	1

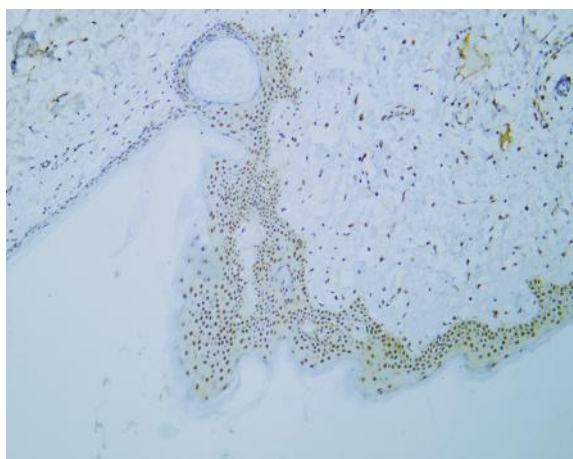
Host : Mouse

Modifications : Unmodified

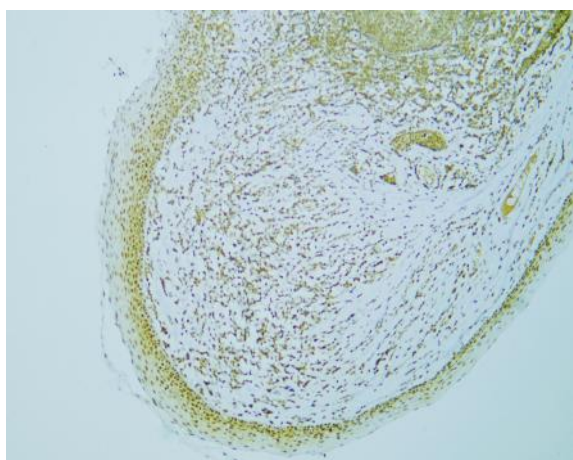
Products Images



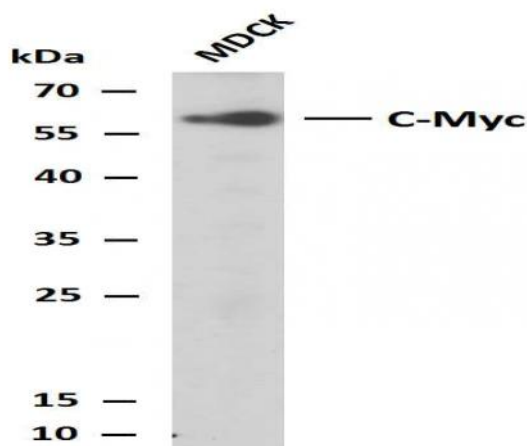
Human prostate tissue was stained with Anti-c-MYC (PTR2340) Antibody



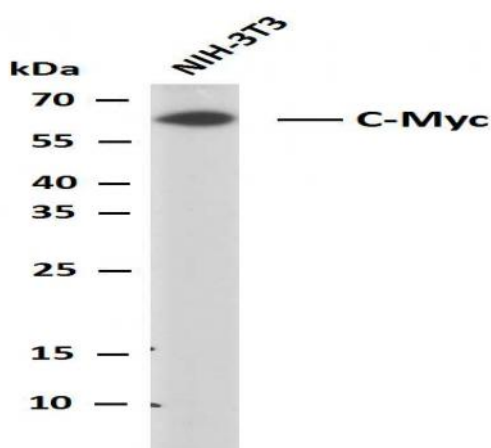
Human skin tissue was stained with Anti-c-MYC (PTR2340) Antibody



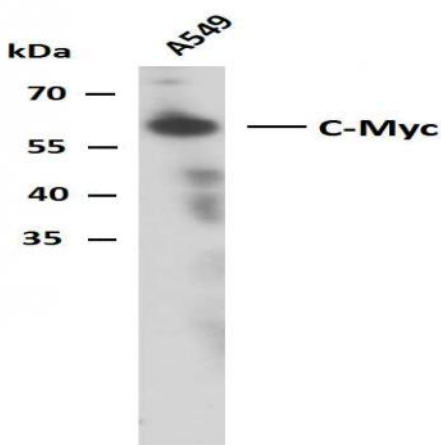
Human tonsil tissue was stained with Anti-c-MYC (PTR2340) Antibody



Whole cell lysates of MDCK were separated by 12% SDS-PAGE, and the membrane was blotted with anti-C-Myc(PTR2340) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: MDCK Predicted band size: 49kDa Observed band size: 57kDa



Whole cell lysates of NIH-3T3 were separated by 12% SDS-PAGE, and the membrane was blotted with anti-C-Myc(PTR2340) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Predicted band size: 49kDa Observed band size: 57kDa



Whole cell lysates of A549 were separated by 12% SDS-PAGE, and the membrane was blotted with anti-C-Myc antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Predicted band size: 49kDa Observed band size: 57kDa