

c-Myc(Phospho-S62) Rabbit mAb

Catalog No: #13375

Package Size: #13375-1 50ul #13375-2 100ul

Description

Product Name	c-Myc(Phospho-S62) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	ST49-08
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser62 of human c-Myc.
Conjugates	Unconjugated
Other Names	AU016757 antibody Avian myelocytomatosis viral oncogene homolog antibody bHLHe39 antibody c Myc antibody Class E basic helix-loop-helix protein 39 antibody MRTL antibody Myc antibody Myc protein antibody Myc proto oncogene protein antibody Myc proto-oncogene protein antibody myc-related translation/localization regulatory factor antibody MYC_HUMAN antibody Myc2 antibody MYCC antibody Myelocytomatosis oncogene antibody Niard antibody Nird antibody Oncogene Myc antibody OTTHUMP00000158589 antibody Proto-oncogene c-Myc antibody Protooncogene homologous to myelocytomatosis virus antibody RNCMYC antibody Transcription factor p64 antibody Transcriptional regulator Myc-A antibody V-Myc avian myelocytomatosis viral oncogene homolog antibody v-myc myelocytomatosis viral oncogene homolog (avian) antibody
Accession No.	Swiss-Prot#:P01106
Calculated MW	Predicted band size: 50 kDa
SDS-PAGE MW	Observed band size: 57 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

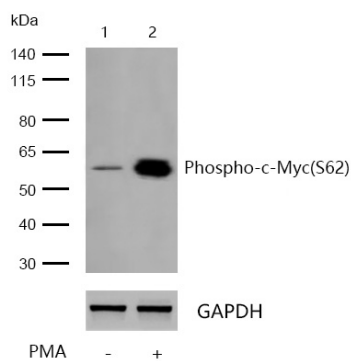
Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

Images



All lanes : c-Myc(Phospho-S62) Rabbit mAb at 1/1k dilution

Lane 1 : HCT116 whole cell lysates

Lane 2 : HCT116 treated with 200 nM PMA for 10 minutes whole cell lysate

Lysates/proteins at 20 µg per lane.

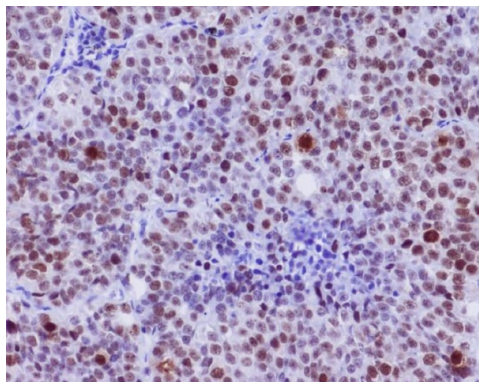
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

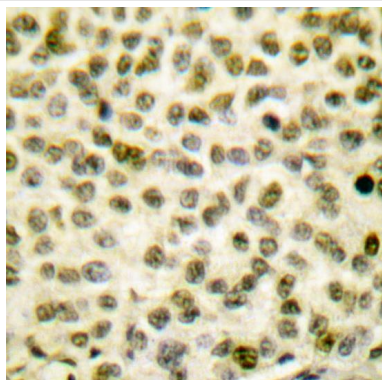
Predicted band size: 50 kDa

Observed band size: 57 kDa

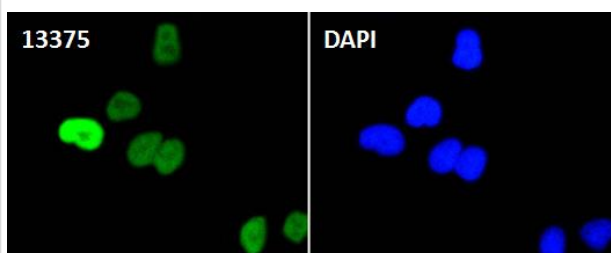
Exposure time: 10 seconds



Formalin-fixed, paraffin-embedded human lung tissue stained for c-Myc(Phospho-S62) using 13375 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for c-Myc(Phospho-S62) using 13375 at 1/100 dilution in immunohistochemical analysis. The picture on the right is blocked with the phospho peptide.



Immunocytochemistry/ Immunofluorescence

cMyc(Phospho-S62) antibody (13375)

ICC/IF staining of cMyc(Phospho-S62) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 13375 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Background

c-Myc-, N-Myc- and L-Myc-encoded proteins function in cell proliferation, differentiation and neoplastic disease. Myc proteins are nuclear proteins with relatively short half lives. Amplification of the c-Myc gene has been found in several types of human tumors including lung, breast and colon carcinomas, while the N-Myc gene has been found amplified in neuroblastomas. The L-Myc gene has been reported to be amplified and expressed at high level in human small cell lung carcinomas. The presence of three sequence motifs in the c-Myc COOH terminus, including the leucine zipper, the helix-loop-helix and a basic region provided initial evidence for a sequence-specific binding function. A basic region helix-loop-helix leucine zipper

motif (bHLH-Zip) protein, designated Max, specifically associates with c-Myc, N-Myc and L-Myc proteins. The Myc-Max complex binds to DNA in a sequence-specific manner under conditions where neither Max nor Myc exhibit appreciable binding. Max can also form heterodimers with at least two additional bHLH-Zip proteins, Mad and Mxi1, and Mad-Max dimers have been shown to repress transcription through interaction with mSin3.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.