

c-Myc (Phospho-T58/S62) Rabbit mAb

Catalog No: #13342



Package Size: #13342-1 50ul #13342-2 100ul

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Description

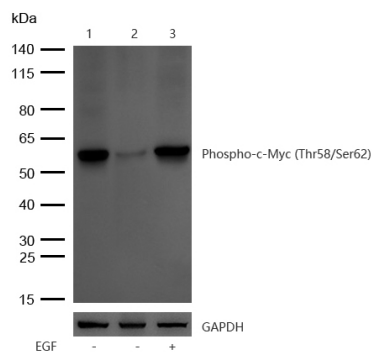
Product Name	c-Myc (Phospho-T58/S62) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SZ02-06
Isotype	IgG
Purification	ProA affinity purified
Applications	WB;ICC/IF
Species Reactivity	Human;Rat
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Thr58 and Ser62 of human c-Myc.
Conjugates	Unconjugated
Target Name	MYC
Other Names	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 Niard antibody Nird antibody Proto-oncogene c-Myc antibody Transcription factor p64 antibody v myc avian myelocytomatosis viral oncogene homolog antibody v myc myelocytomatosis viral oncogene homolog antibody
Accession No.	Swiss-Prot#:P01106
Calculated MW	49 kDa
SDS-PAGE MW	57 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

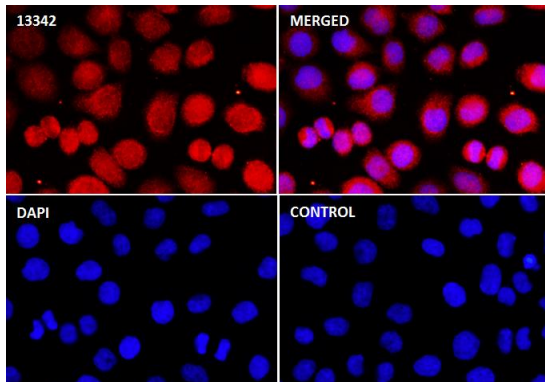
WB: 1:500-1:2000

ICC/IF: 1:50-1:200

Images



All lanes : c-Myc (Phospho-T58/S62) Rabbit mAb at 1/1k dilution
 Lane 1 : C6 whole cell lysates
 Lane 2 : 293T whole cell lysates
 Lane 3 : 293T treated with 100ng/ml EGF for 20min whole cell lysates
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 49 kDa
 Observed band size: 57 kDa
 Exposure time: 9 seconds



Immunocytochemistry/ Immunofluorescence c-Myc (Phospho-T58/S62) antibody (13342)
 ICC/IF staining of c-Myc (Phospho-T58/S62) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 13342 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit; used at a dilution of 1/500. The negative control is shown in bottom right hand panel - for the negative control. 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

Published Papers

el at., Cytoplasmic localization of SETDB1 β induced Warburg effect via c β MYC β LDHA axis enhances migration and invasion in breast carcinoma. In Int J Mol Med on 2024 Apr by Wenlin Yang, Yingze Wei, et al..PMID:38426579, , (2024)
[PMID:38426579](https://pubmed.ncbi.nlm.nih.gov/38426579/)

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