Catalog: OM206415

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c-Myc Antibody (N-262)

Catalog: OM206415

☐ 100ul

Product profile

Product name	c-Myc Antibody (N-262)
Antibody Type	Tags Antibodies
Modification Notes	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.

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,IP ,IF ,ELISA ,GS ,ChIP
Species Reactivity	Human Mouse Rat
Concentration	1mg/ml
Purification	Affinity purified

Target Information

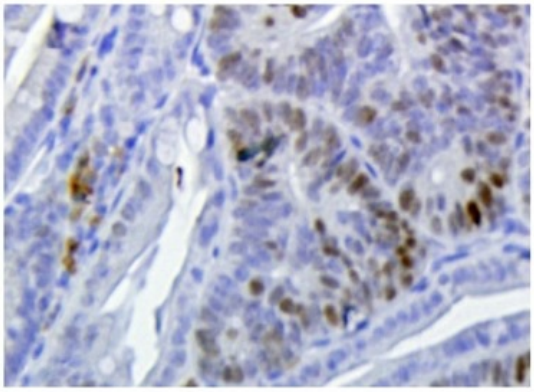
Alternative Names	epitope corresponding to amino acids 1-262 of c-Myc of human origin (includes transcriptional activation region, but not the bHLH-Zip protein-protein interaction domain)

Tissue Specificity	epitope corresponding to amino acids 1-262 of c-Myc of human origin (includes transcriptional activation region, but not the bHLH-Zip protein-protein interaction domain)

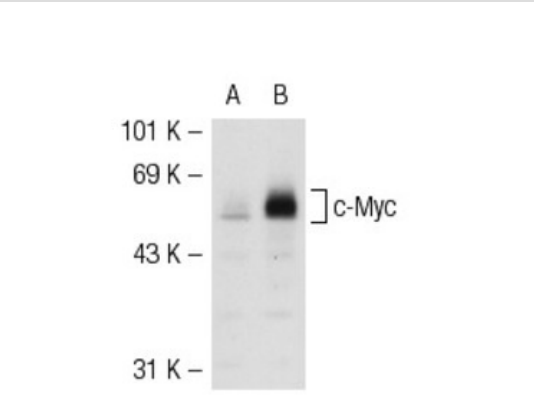
Database Links

Entrez Gene	4609

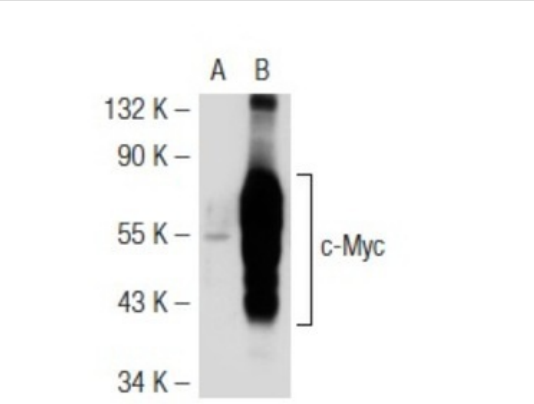
Application



Application
Nuclear c-Myc in small intestinal adenoma in APC -/+ (20X microscopic magnification). Dilution: 1:80 in dilution buffer (0.05% BSA in PBS) Blocking: 0.1% BSA in PBS at room temp. Kindly provided by Dr. Albert J. Fornace Jr., Georgetown University.

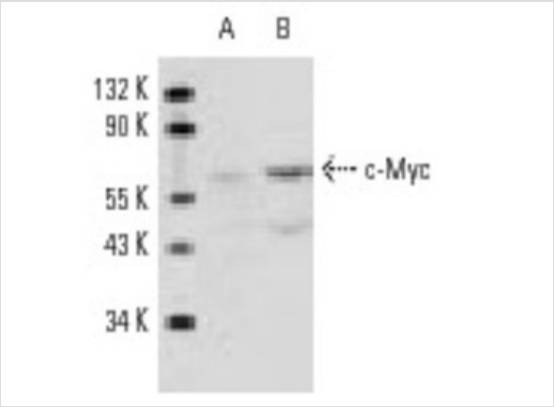


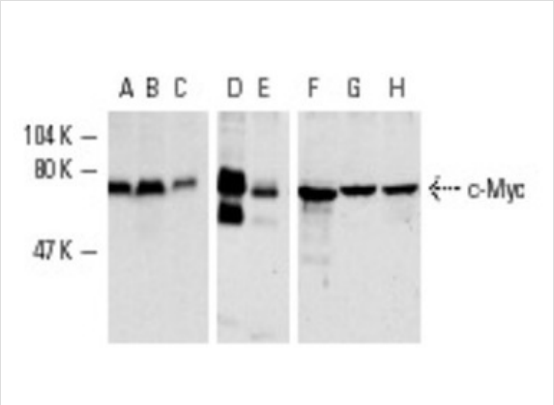
Application
Western blot analysis of c-Myc expression in non-transfected: (A) and human c-Myc transfected: (B) 293T whole cell lysates.



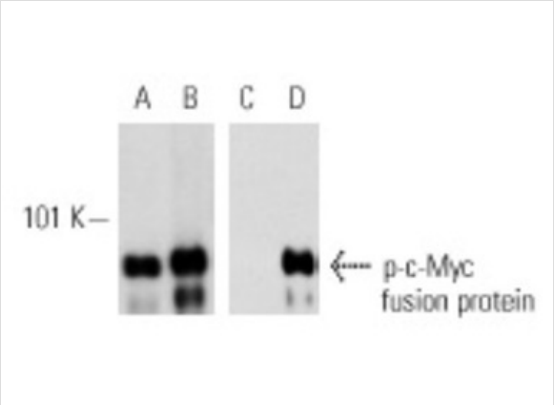
Application
Western blot analysis of c-Myc expression in non-transfected: (A) and mouse c-Myc transfected: (B) 293T whole cell lysates.

Application
Western blot analysis of c-Myc expression in COS (A) and Jurkat (B) whole cell lysates.





Application
Antibodies tested include c-Myc (9E10): (A-C), c-Myc (C-33): (D,E) and c-Myc (N-262): (F-H).



Application
Antibodies tested include c-Myc (N-262): (A,B) and p-c-Myc (Thr 58/Ser 62)-R: (C,D).

Application Notes	**recommended for detection of c-Myc p67 of mouse, rat, human and monkey origin by WB, IP, IF an d ELISA**:

Additional Information

Form	Liquid
Storage Instructions	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Storage Buffer	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt