Catalog: OM197365

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p-c-Myc Antibody (Thr 58)

Catalog: OM197365

☐ 100ul

Product profile

Product name	p-c-Myc Antibody (Thr 58)
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. Mouse, rat and human c-Myc are phosphorylated at their N-terminal domains on serine and threonine residues, specifically on Thr 58 in response to mitogens.

Key Feature

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

Target Information

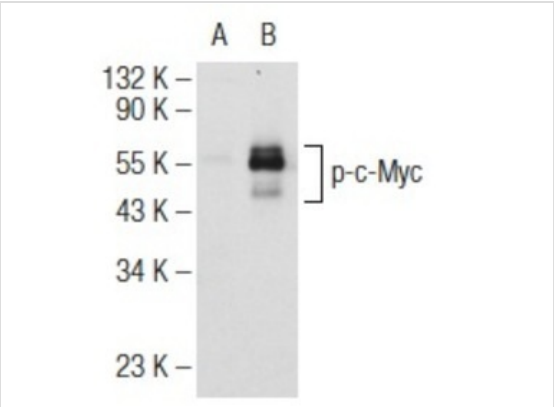
Alternative Names	recommended for detection of Thr 58 phosphorylated c-Myc of mouse, rat and human origin by WB, IP, I

	F and IHC(P)
Tissue Specificity	recommended for detection of Thr 58 phosphorylated c-Myc of mouse, rat and human origin by WB, IP, I F and IHC(P)

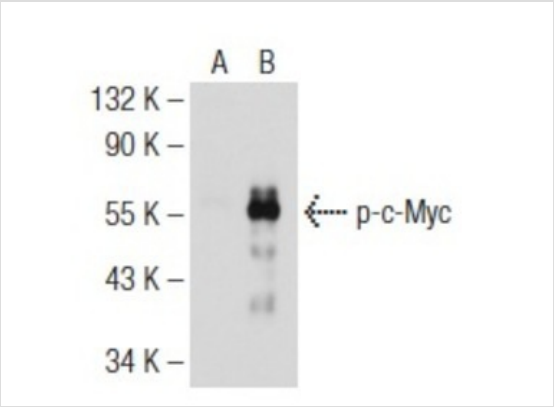
Database Links

Entrez Gene	4609

Application



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



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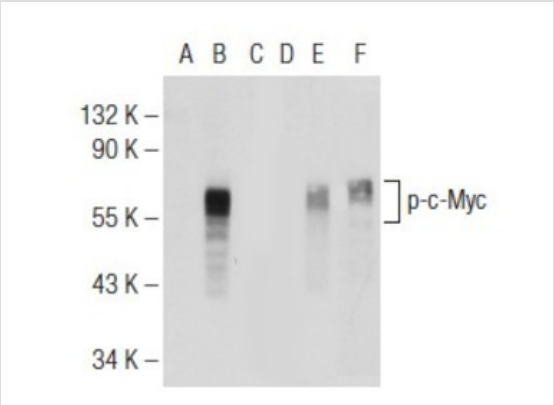
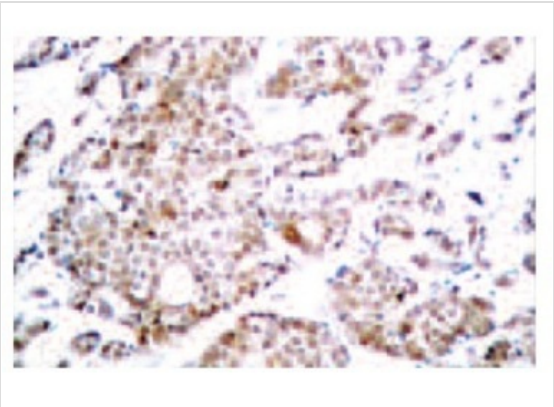


Application
Antibodies tested include p-c-Myc (Thr 58): (A, B, C) and c-Myc (N-262): (D, E, F).



Application
Immunoperoxidase staining of formalin-fixed, paraffin-embedded human breast carcinoma tissue showing nuclear localization.

Application Notes **See 1 citations for p-c-MycAntibody (Thr 58)**:

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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