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e at -20C	N-Myc Antibody			
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
)5		Support:	877-678-TECH (8324)	
#9405		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Reactive WB H	vity: Sensitivity: Endogenous	MW (kDa): 62	Source: Rabbit	UniProt ID: #P04198	Entrez-Gene Id: 4613
Product Usage Information	Application Western Blotting			Dilution 1:1000	
Storage	Supplied in 10 mM sodir 20°C. Do not aliquot the		5), 150 mM NaCl, 10	0 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sensitivity	N-Myc Antibody detects not cross-react with othe	Ũ	-	transfected levels of mo	ouse N-Myc. It does
Source / Purification	Polyclonal antibodies ar residues surrounding lys chromatography.				
Background	Members of the Myc/Ma of cell behavior, includin basic-helix-loop-helix let originally discovered bas Myc to bind DNA and ac component of the transo members of the Myc and opposing effects on tran proteins; Mad1, Mad2 (M family, Mnt and Mga. Lik family members interferen prevention of apoptosis	g proliferation, diff ucine zipper (bHLF sed on its ability to ctivate transcriptior criptional network, d Mad families (1). uscriptional regulati Mxi1), Mad3, and M ke Myc, the Mad pu e with Myc-mediato	erentiation, and apo I-ZIP) motif required associate with c-My forming homodimers The association bet ion and cell behavior Mad4, and the more roteins are tightly reg ed processes, such a	btosis (1). These protein for dimerization and DN ic and found to be requir Max has been viewed as a swell as heterodimers ween Max and either My (1). The Mad family cor distantly related membe julated with short half-liv	s share a common IA-binding. Max was ed for the ability of s a central s with other yc or Mad can have nsists of four related rs of the bHLH-ZIP es. In general, Mad
Background References	In humans the Myc fami expressed in many proli embryonic development results from targeted de and differentiation (5). Ir neuroblastomas and is a 1. Baudino, T.A. and Cle 2. Blackwood, E.M. and 3. Henriksson, M. and L 4. Grandori, C. et al. (20 5. Sawai, S. et al. (1993 6. Schwab, M. et al. (1997 7. Brodeur, G.M. et al. (20	ferating cells, N-M and then in the ac letion of N-Myc su addition, amplific associated with rap eveland, J.L. (2001 Eisenman, R.N. (1 üscher, B. (1996) 00) Annu Rev Cell Development 11 84) Proc. Natl. Ace	yc expression is very dult during B-cell dev ggest that N-Myc pla ation or overexpress bid progression and p) <i>Mol Cell Biol</i> 21, 69 (1991) <i>Science</i> 251, 1 Adv Cancer Res 68, <i>I Dev Biol</i> 16, 653-99 7, 1445-1455. ad. Sci. USA 81, 494	y restricted, with highest relopment. These expres tys an important role in t ion of N-Myc has been f boor prognosis (6,7). 21-702. .211-7. 109-82.	levels in during ssion patterns and issue development
Species Reactivity	Species reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern blot).
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C			d primary antibody in 5%	6 w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Key	WB: Western Blotting				

3/23/24, 11:37 AM	N-Myc Antibody (#9405) Datasheet Without Images Cell Signaling Technology			
	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 			
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