Revision 4	
ID3 (D16D10) Rabbit mAb	
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#9837	Web: info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers Massachusetts 01923 USA

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or Research Use Only. Not for Us	se in Diagnostic Proced	ures.						
Applications:Reactivity:N, IP, IF-IC, FC-FPH	Sensitivity: Endogenous	MW (kDa): 13	Source/Isotype: Rabbit IgG	UniProt ID: #Q02535	Entrez-Gene Io 3399			
Product Usage Information		/estern Blotting 1:1000)0)) - 1:1600				
Storage), 150 mM NaCl, 100 µg. ot aliquot the antibody.		ol and less than			
Specificity/Sensitivity	ID3 (D16D10) Rabbit mAb recognizes endogenous levels of total ID3 protein.							
Species predicted to react based on 100% sequence homology	Dog, Rabbit							
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human ID3 protein.							
Background	the activity of basic he humans (ID1-4), all of Heterodimerization w and prevent their bind primarily by inhibiting role in immune system of T cells (3). Studies ir regulatory T cell differ hematopoietic compa muscle repair (6). Simi	lix-loop-helix (bHLF which contain a hel ith bHLH transcripti ling to DNA (1). ID p premature differer n development when a mouse models ha entiation (4) and lea rtment, ID3 was sho larly, research stud	ID) proteins are a family d) transcription factors. ix-loop-helix domain bu on factors therefore fur proteins play important ntiation of stem/progeni re it has been shown to ve shown that homozyg ads to development of y pown to repress MyoD, in ies have shown that ID3 he self-renewal capacity	There are four know t lack a basic DNA b rctions to sequester functional roles in c itor cells (1,2). ID3 p repress E2A-media jous deletion of ID3 to T cell lymphoma and IC3 in TG suppresses p21 in	n ID proteins in binding domain. bHLH proteins levelopment, lays an important ted differentiation disrupts 5). Outside of the Fβ-mediated colon cancer cells,			
Background References	1. Yokota, Y. (2001) <i>Or.</i> 2. Hong, S.H. et al. (20 3. Miyazaki, M. et al. (2 4. Maruyama, T. et al. (2 5. Li, J. et al. (2010) <u>B</u> 6. Clever, J.L. et al. (201 7. O'Brien, C.A. et al. (2	 J Cell Sci 124, 14 Nat Immunol N	12, 992-1001. h/12, 86-95. <i>l Physiol</i> 298, C1087-99.					
Species Reactivity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).			
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.							
	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC- FP: Flow Cytometry (Fixed/Permeabilized)							
Applications Key				rescence (Immunoc				
Applications Key Cross-Reactivity Key				rescence (Immunoc				
	FP: Flow Cytometry (Fi H: Human	xed/Permeabilized)						

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