e at -20C	LEF1 (C18A7) Rabbit mAb				
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 25-58	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UJU2	Entrez-Gene Id: 51176			
Product Usage Information	We	plication estern Blotting munoprecipitation			<b>Dilution</b> 1:1000 1:50				
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.							
Specificity / Sensiti		LEF1 (C18A7) Rabbit mAb detects endogenous level of total LEF1 proteins, including the dominant negative forms due to the usage of alternative promoter.							
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val282 of human LEF1.							
Background	fact TCF that Wnt pror dyn invc LEF pref	LEF1 and TCF are members of the high mobility group (HMG) DNA-binding protein family of transcription factors that consists of the following: Lymphoid Enhancer Factor 1 (LEF1), T Cell Factor 1 (TCF1/TCF7), TCF3/TCF7L1, and TCF4/TCF7L2 (1). LEF1 and TCF1/TCF7 were originally identified as important factors that regulate early lymphoid development (2) and act downstream in Wnt signaling. LEF1 and TCF bind to Wnt response elements to provide docking sites for β-catenin, which translocates to the nucleus to promote the transcription of target genes upon activation of Wnt signaling (3). LEF1 and TCF are dynamically expressed during development and aberrant activation of the Wnt signaling pathway is involved in many types of cancers, including colon cancer (4,5). LEF1 has several isoforms due to alternative splicing. LEF1 also has an alternative promoter that is preferentially active in lymphocytes. The isoforms generated by this alternative promoter have no aminoterminal β-catenin binding domain, therefore, they may function in a dominant negative manner (6-8).							
Background Refere	2. S 3. B 4. R 5. L 6. H 7. H	<ol> <li>Waterman, M.L. (2004) <i>Cancer Metastasis Rev</i> 23, 41-52.</li> <li>Schilham, M.W. and Clevers, H. (1998) <i>Semin Immunol</i> 10, 127-32.</li> <li>Brantjes, H. et al. (2002) <i>Biol Chem</i> 383, 255-61.</li> <li>Reya, T. and Clevers, H. (2005) <i>Nature</i> 434, 843-50.</li> <li>Logan, C.Y. and Nusse, R. (2004) <i>Annu Rev Cell Dev Biol</i> 20, 781-810.</li> <li>Hovanes, K. et al. (2000) <i>Nucleic Acids Res</i> 28, 1994-2003.</li> <li>Hovanes, K. et al. (2001) <i>Nat Genet</i> 28, 53-7.</li> <li>Kobielak, A. et al. (2001) <i>Acta Biochim Pol</i> 48, 221-6.</li> </ol>							
Species Reactivity	Spec	cies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).			
Western Blot Buffe		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.							
Applications Key	WB	WB: Western Blotting IP: Immunoprecipitation							
Cross-Reactivity K	<b>X</b> : Xe	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>							
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## LEF1 (C18A7) Rabbit mAb (#2286) Datasheet Without Images Cell Signaling Technology

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