3/30/24, 10:35 AM Revision 6

TCF1/TCF7 (C63D9) Rabbit mAb						
Stor				Orders:	877-616-CELL (2355) orders@cellsignal.com	
<u>ന</u>				Support:	877-678-TECH (8324)	
#2203				Web:	info@cellsignal.com cellsignal.com	
#			3 Trask L	ane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only. Not for	Use in Diagnostic Proce	edures.				
Applications: Reactive WB, IP, IHC-P, IF-F, IF- IC, FC-FP, ChIP	•	MW (kDa): 48, 50	Source/Isotype: Rabbit IgG	UniProt ID: #P36402	Entrez-Gene Id: 6932	
Product Usage	For a carrier free (BSA and azide free) version of this product see product #85942					
Information	Application			D	Dilution	
	Western Blotting			1	:1000	
	Immunoprecipitation			1	:50	
	Immunohistochemistry	(Paraffin)		1	:50 - 1:200	
	Immunofluorescence (F	rozen)		1	:800	
	Immunofluorescence (I	mmunocytochen	nistry)	1	:200 - 1:800	
	Flow Cytometry (Fixed/Permeabilized)			1	:50 - 1:200	
	Chromatin IP			1	:50	
Storage	Supplied in 10 mM sodiu 0.02% sodium azide. Ste				ycerol and less than	
	For a carrier free (BSA a	and azide free) v	ersion of this product se	e product #85942		
Specificity / Sensitivity	/ Sensitivity TCF1/TCF7 (C63D9) Rabbit mAb detects endogenous levels of total TCF1/TCF7 protein. This antibody does not recognize the dominant negative isoforms of TCF1/TCF7 lacking the amino-terminal β-catenin binding domain and does not cross-react with LEF1. TCF1/TCF7 (C63D9) non-specifically labels glome of kidney and fiber-like structures in adipose tissue, skeletal muscle, lung, ovary, colon, and spleen by immunofluorescence.			p-terminal β-catenin ifically labels glomeruli		
Source / Purification	Monoclonal antibody is p surrounding Pro96 of hu			synthetic peptide co	rresponding to a region	
Background	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 factor 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).				actor 1 (TCF1/TCF7), ed as important factors LEF1 and TCF bind to the nucleus to and TCF are	
	TCF1/TCF7 has several The isoforms generated domain and therefore m expression both in the to differentiation (7).	by the alternativ ay function in a c	e promoter do not conta Iominant negative mann	in the amino-termin er (6). TCF1/TCF7	al β-catenin binding displays dynamic	
Background References	 Waterman, M.L. (2004 Schilham, M.W. and C Brantjes, H. et al. (2004) Reya, T. and Clevers, Logan, C.Y. and Nusse Waterman, M.L. (2004) Willinger, T. et al. (2005) 	Clevers, H. (1998 02) Biol Chem 38 H. (2005) Natur e, R. (2004) Ann 4) Cancer Metas) Semin Immunol 10, 12 33, 255-61. e 434, 843-50. nu Rev Cell Dev Biol 20, tasis Rev. 23, 41-52.			
	7. Willinger, T. et al. (200	ט (ט J. וווווווווווווווווווווווווווו) J. וווווווווו	.10, 1439-1440.			

Species Reactivity

3/30/24, 10:35 AM	TCF1/TCF7 (C63D9) Rabbit mAb (#2203) Datasheet Without Images Cell Signaling Technology Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	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: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP	
Cross-Reactivity Key	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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