င္ရွိ Cyclin T1 (D1B6G) Rabbit mAb	C T			
	Orders:	877-616-CELL (2355) orders@cellsignal.com		
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3146	Web:	info@cellsignal.com cellsignal.com		
8	3 Trask Lane Danvers Ma	ssachusetts 01923 USA		
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Applications: W, IP, ChIP, C&R, C&T	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 81	Source/Isotype: Rabbit IgG	UniProt ID: #O60563	Entrez-Gene Id: 904
Product Usage Information	2	For optimal ChIP resu IP. This antibody has b	For optimal ChIP results, use 10 µl of antibody and 10 µg of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.			
		The CUT&RUN dilution was determined using CUT&RUN Assay Kit #86652.				
		The CUT&Tag dilution Application Western Blotting Immunoprecipitation Chromatin IP CUT&RUN CUT&Tag	was determined us	sing CUT&Tag Assay Kit #	Dilution 1:1000 1:100 1:50 1:50 1:50 1:50	
Storage		Supplied in 10 mM soo 0.02% sodium azide. S	dium HEPES (pH 7.5 itore at –20°C. Do n	5), 150 mM NaCl, 100 μg. ot aliquot the antibody.	/ml BSA, 50% glyce	rol and less than
Specificity/Sen	sitivity	Cyclin T1 (D1B6G) Rab	bit mAb recognizes	endogenous levels of t	otal cyclin T1 protei	n.
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly642 of human cyclin T1 protein.				
Background		Positive transcription CDK9. P-TEFb plays a of transcription initiation approximately 50 nucl and awaits signaling f release of this promot domain (CTD) within t TEFb (3). This phospho chromatin modifiers t transcription elongatio elongation factor), two of genes to initiate transcription	elongation factor (I critical role in the tr to elongation (1) leotides away from or the formation of the proximal pausin he largest subunit orylation event is in hat are necessary f on by phosphorylato o negative elongati nscription elongati	P-TEFb) is a heterodimer ansition of the RNA poly At some genes during tr the transcription start s a productive transcripti g of RNAPII is signaled to of RNAPII at Ser2 of the portant for the recruitn or proper gene expressi ing DSIF (DRB-induced so on factors that retain RN on (6,7).	composed of cyclir merase II (RNAPII) anscription initiatio ite into the gene wi on elongation com py phosphorylation heptapeptide repea nent of mRNA proce on (4,5). P-TEFb also stimulating factor) a JAPII at the promot	T proteins and machinery from n, RNAPII moves nere it then pauses plex (1,2). The of the C-terminal at sequence by P- essing factors and p promotes and NELF (negative ter proximal region
Background Re	eferences	1. Cho, S. et al. (2010) 2. Saunders, A. et al. (2 3. Buratowski, S. (2009 4. Lenasi, T. and Barbo 5. Pirngruber, J. et al. (6. Wada, T. et al. (1998 7. Yamada, T. et al. (20	Cell Cycle 9, 1697-7 2006) Nat Rev Mol (9) Mol Cell 36, 541-6 pric, M. (2010) RNA 2009) Cell Cycle 8, 3 9) EMBO J 17, 7395- 106) Mol Cell 21, 22	05. <i>Cell Biol</i> 7, 557-67. 5. <i>Biol</i> 7, 145-50. 3636-42. 403. 7-37.		
Species Reactiv	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer	IMPORTANT: For west dry milk, 1X TBS, 0.1%	ern blots, incubate Tween® 20 at 4°C	membrane with diluted with gentle shaking, ove	primary antibody i ernight.	n 5% w/v nonfat
Applications K	ey	W: Western Blotting IP: Immunoprecipitation ChIP: Chromatin IP C&R: CUT&RUN C&T: CUT&Tag				
Cross-Reactivit	ty Key	H: Human M: Mouse I	R: Rat Mk: Monkey			

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