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Phospho-Histone H3 (Ser10) (D2C8) XP[®] Rabbit mAb (Biotinylated)



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

Applications: W	Reactivity: H M R Mk Z	Sensitivity: Endogenous	MW (kDa): 17	Source/Isotype: Rabbit IgG	UniProt ID: #P68431	Entrez-Gene Id: 8350
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage				nM sodium phosphate (d 50% glycerol. Store at -		
Specificity/Sen	sitivity	Phospho-Histone H3 (histone H3 only when		Rabbit mAb (Biotinylatec Ser10.	l) detects endogenc	ous levels of
Source / Purific	ation			nunizing animals with a s Ser10 of human histone		eptide
Description		unconjugated Phosph H3 (Ser10) from huma	o-Histone H3 (Ser1 n, mouse, rat, and	s conjugated to biotin ui 0) (D2C8) XP [®] Rabbit mA monkey. CST expects tha cognize phospho-histor	b #3377 reacts with at Phospho-Histone	n phospho-histone H3 (Ser10) (D2C8)
Background		eukaryotes. The nucle H2A, H2B, H3, and H4 histones undergo vari methylation, and ubiq have a direct effect on expression (6). In mos H3 is primarily acetyla dominant role in histo at Ser10, Ser28, and T both mitosis and meio many species and is ca	osome, made up o), is the primary bu ous posttranslatior uitination (2-5). The the accessibility of t species, histone H ted at Lys9, 14, 18, ne deposition and hr11 of histone H3 osis (8-10). Phospho atalyzed by the kina veals mitotic phosp	an important role in the f DNA wound around eig ilding block of chromatin hal modifications, includi ese modifications occur f chromatin to transcript 42B is primarily acetylate 23, 27, and 56. Acetylati chromatin assembly in s is tightly correlated with orylation at Thr3 of histo ase haspin. Immunostair phorylation at Thr3 of H3 b.	yht core histone pro n (1). The amino-tern ng acetylation, pho in response to vario ion factors and, the ed at Lys5, 12, 15, ar on of H3 at Lys9 ap ome organisms (2,3 o chromosome cond ne H3 is highly cons ning with phospho-s	teins (two each of minal tails of core sphorylation, tus stimuli and refore, gene and 20 (4,7). Histone pears to have a B). Phosphorylation lensation during served among specific antibodies
Background References		 Workman, J.L. and Kingston, R.E. (1998) <i>Annu Rev Biochem</i> 67, 545-79. Hansen, J.C. et al. (1998) <i>Biochemistry</i> 37, 17637-41. Strahl, B.D. and Allis, C.D. (2000) <i>Nature</i> 403, 41-5. Cheung, P. et al. (2000) <i>Cell</i> 103, 263-71. Bernstein, B.E. and Schreiber, S.L. (2002) <i>Chem Biol</i> 9, 1167-73. Jaskelioff, M. and Peterson, C.L. (2003) <i>Nat Cell Biol</i> 5, 395-9. Thorne, A.W. et al. (1990) <i>Eur J Biochem</i> 193, 701-13. Hendzel, M.J. et al. (1997) <i>Chromosoma</i> 106, 348-60. Goto, H. et al. (1999) <i>J Biol Chem</i> 274, 25543-9. Preuss, U. et al. (2003) <i>Nucleic Acids Res</i> 31, 878-85. Dai, J. et al. (2005) <i>Genes Dev</i> 19, 472-88. 				
Species Reactiv	/ity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X
Applications Ke	ey	W: Western Blotting				
Cross-Reactivit	у Кеу	H: Human M: Mouse F	R: Rat Mk: Monkey	Z: Zebrafish		

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