Store at -20C

Acetyl- and Phospho-Histone H3 (Lys9/Ser10) Antibody Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324)

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

Applications: WB, IHC-P	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 17	Source: Rabbit	UniProt ID: #P68431	Entrez-Gene Id: 8350	
Product Usage Information	W	Application Vestern Blotting mmunohistochemistry ((Paraffin)		1:	lution 1000 50	
Storage		upplied in 10 mM sodiu 0°C. Do not aliquot the), 150 mM NaCl, 10	0 μg/ml BSA and 50% gl	lycerol. Store at –	
Specificity / Sensitivity		Acetyl- and Phospho- Histone H3 (Lys9/Ser10) Antibody detects endogenous levels of histone H3 only when modified both by acetylation at lysine 9 and phosphorylation at serine 10.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic acetylated and phosphorylated peptide corresponding to residues surrounding Lys9 and Ser10 of human histone H3. Antibodies are purified by protein A and peptide affinity chromatography.					
Background Background Refe	Th an va ub ac his 14 ch tig at Im Th	ne nucleosome, made u and H4), is the primary b arious posttranslational biquitination (2-5). Thes eccessibility of chromatir stone H2B is primarily a 4, 18, 23, 27, and 56. A promatin assembly in so phtly correlated with chr Thr3 of histone H3 is h	up of DNA wound a uilding block of chi modifications, incl se modifications oc n to transcription fa acetylated at Lys5, cetylation of H3 at ome organisms (2, romosome conden nighly conserved a spho-specific antil and its dephosphor	around eight core hi romatin (1). The am uding acetylation, p cur in response to v ctors and, therefore 12, 15, and 20 (4,7 Lys9 appears to ha 3). Phosphorylation sation during both n mong many species podies in mammalia ylation during anapl		of H2A, H2B, H3, histones undergo ion, and a direct effect on the most species, / acetylated at Lys9, itone deposition and in11 of histone H3 is 0). Phosphorylation kinase haspin.	
	2. 3. 4. 5. 6. 7. 8. 9. 10.	Hansen, J.C. et al. (19 Strahl, B.D. and Allis, (Cheung, P. et al. (2000 Bernstein, B.E. and Sc Jaskelioff, M. and Pete Thorne, A.W. et al. (19 Hendzel, M.J. et al. (19 Goto, H. et al. (1999) Preuss, U. et al. (2003 Dai, J. et al. (2005) Ge	98) Biochemistry 3 C.D. (2000) Nature D) Cell 103, 263-71 Chreiber, S.L. (2002) erson, C.L. (2003) 90) Eur J Biochem 997) Chromosoma J Biol Chem 274, 2 D) Nucleic Acids Re	7, 17637-41. 403, 41-5. 2) Chem Biol 9, 116 Nat Cell Biol 5, 395- 193, 701-13. 106, 348-60. 5543-9. \$ 31, 878-85.	7-73.		
Species Reactivity	y Spe	ecies reactivity is deter	mined by testing ir	n at least one appro	ved application (e.g., we	stern blot).	
Western Blot Buff		PORTANT: For westerr % Tween® 20 at 4°C v			d primary antibody in 5%	o w/v BSA, 1X TBS,	
Applications Key		WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin)					

1/1/24, 8:46 AM Cross-Reactivity	 Phospho-Histone H3 (Lys9/Ser10) Antibody (#9711) Datasheet Without Images Cell Signaling T 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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