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Histone H2A (D6O3A) Rabbit mAb

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	Reactivity: M R Mk Z GP	Sensitivity: Endogenous	MW (kDa): 14	Source/Isotype: Rabbit IgG	UniProt ID: #P0C0S8	Entrez-Gene lo 8329	
Product Usage Information		For optimal ChIP results, use 5 μ I of antibody and 10 μ g of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.					
	Appl	ication				Dilution	
	West	tern Blotting				1:1000	
	Immu	unofluorescence (Immunocytochem	nistry)		1:200	
	Chro	matin IP				1:50	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		cerol and less than	
Specificity / Sensitiv		Histone H2A (D6O3A) Rabbit mAb recognizes endogenous levels of total histone H2A protei antibody does not cross-react with other histone proteins.			A protein. This		
Species predicted to react based on 100% sequence homology	Ď	ter, Bovine, Dog					
Source / Purification				uunizing animals with a s us of human histone H2		responding to	
Background	The n and H variou ubiqui acces histon 14, 18 chrom tightly at Thr Immu	ucleosome, made (4), is the primary is posttranslationa itination (2-5). The sibility of chromat le H2B is primarily 3, 23, 27, and 56. hatin assembly in correlated with c 3 of histone H3 is nostaining with ph	e up of DNA woun building block of al modifications, ir ese modifications in to transcription acetylated at Lys Acetylation of H3 some organisms hromosome cond highly conserved nospho-specific ar	an important role in the i d around eight core hist chromatin (1). The amin ncluding acetylation, pho occur in response to va factors and, therefore, y 55, 12, 15, and 20 (4,7). at Lys9 appears to have (2,3). Phosphorylation a ensation during both min among many species a ntibodies in mammalian iorylation during anapha	one proteins (two ear o-terminal tails of cor osphorylation, methyl rious stimuli and have gene expression (6). Histone H3 is primar e a dominant role in h t Ser10, Ser28, and tosis and meiosis (8- and is catalyzed by th cells reveals mitotic	ch of H2A, H2B, H3, re histones undergo ation, and e a direct effect on the In most species, rily acetylated at Lys9, histone deposition and Thr11 of histone H3 is 10). Phosphorylation le kinase haspin.	
Background Referer	2. Har 3. Stra 4. Che 5. Ber 6. Jas 7. Tho 8. Her 9. Got 10. Pre	nsen, J.C. et al. (1 ahl, B.D. and Allis eung, P. et al. (20 nstein, B.E. and S kelioff, M. and Pe orne, A.W. et al. (1 ndzel, M.J. et al. (1999)	998) Biochemistr, , C.D. (2000) Natu 00) Cell 103, 263- Schreiber, S.L. (200 terson, C.L. (2003) 990) Eur J Bioch 1997) Chromosor 1 Biol Chem 274 03) Nucleic Acids	<i>I</i> re 403, 41-5. 71. 202) Chem Biol 9, 1167- 3) Nat Cell Biol 5, 395-9 em 193, 701-13. <i>na</i> 106, 348-60. , 25543-9. Res 31, 878-85.	73.		

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

1/1/24, 12:16 PM Western Blot Buffer	Histone H2A (D6O3A) Rabbit mAb (#12349) Datasheet Without Images Cell Signaling Technology 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 IF-IC: Immunofluorescence (Immunocytochemistry) 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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