## ង្កី Histone H2A (D6O3A) Rabbit mAb





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<b>Applications:</b> W, IF-IC, ChIP	<b>Reactivity:</b> H M R Mk Z GP	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 14	Source/Isotype: Rabbit IgG	UniProt ID: #P0C0S8	Entrez-Gene Id: 8329	
Product Usage Information		For optimal ChIP results, use 5 μl of antibody and 10 μg of chromatin (approximately 4 x 10 <sup>6</sup> cells) per IP. This antibody has been validated using SimpleChIP <sup>®</sup> Enzymatic Chromatin IP Kits.					
		<b>Application</b> Western Blotting Immunofluorescence Chromatin IP	(Immunocytochem	istry)		<b>Dilution</b> 1:1000 1:200 1:50	
Storage				), 150 mM NaCl, 100 μg/ ot aliquot the antibody.	ml BSA, 50% glycei	rol and less than	
Specificity/Ser	nsitivity	Histone H2A (D6O3A) antibody does not cro		izes endogenous levels o histone proteins.	of total histone H2/	A protein. This	
Species predic based on 100% homology		Hamster, Bovine, Dog					
Source / Purifi	cation			unizing animals with a s us of human histone H2		orresponding to	
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 of ), is the primary bui ous posttranslation uitination (2-5). The the accessibility of t species, histone H ted at Lys9, 14, 18, one deposition and hr11 of histone H3 osis (8-10). Phospho atalyzed by the kina veals mitotic phosp	an important role in the DNA wound around eig lding block of chromatin al modifications, includi ese modifications occur i chromatin to transcripti 2B is primarily acetylate 23, 27, and 56. Acetylatic chromatin assembly in s is tightly correlated with rylation at Thr3 of histor ise haspin. Immunostair horylation at Thr3 of H3	ht core histone pro (1). The amino-ter ng acetylation, pho on factors and, the d at Lys5, 12, 15, ai on of H3 at Lys9 ap ome organisms (2, chromosome cond ne H3 is highly cons ning with phospho-	oteins (two each of minal tails of core osphorylation, ous stimuli and erefore, gene nd 20 (4,7). Histone pears to have a 3). Phosphorylation densation during served among specific antibodies	
Background R	eferences	2. Hansen, J.C. et al. (1 3. Strahl, B.D. and Allis 4. Cheung, P. et al. (20	998) Biochemistry 3 5, C.D. (2000) Nature 00) Cell 103, 263-71 Schreiber, S.L. (2002 eterson, C.L. (2003) 1990) Eur J Biochen 1997) Chromosoma ) J Biol Chem 274, 2 003) Nucleic Acids R	e 403, 41-5. 2) <i>Chem Biol</i> 9, 1167-73. <i>Nat Cell Biol</i> 5, 395-9. 193, 701-13. a 106, 348-60. 5543-9. <i>es</i> 31, 878-85.	545-79.		
Species Reacti	vity	Species reactivity is de	etermined by testing	g in at least one approve	d application (e.g.,	western blot).	
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X	

Applications Key	W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) ChIP: Chromatin IP
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey Z: Zebrafish GP: Guinea Pig
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