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Symmetric Di-Methyl Histone H3 (Arg8) (E1W5H) Rabbit mAb Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com

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

	eactivity: Sensitivity: M R Mk 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			7.5), 150 mM NaCl, 100 o not aliquot the antibody		erol and less than
Specificity / Sensitivit		nmetrically di-meth	(E1W5H) Rabbit mAb re nylated at Arg8. This anti methylated at Arg8.		
Species predicted to react based on 100% sequence homology:	Zebrafish, Bovine, S.	cerevisiae			
Source / Purification	-		nunizing animals with a s nan histone H3 in which		
Background	made of paired histor regulation of various translational modifica histone residues are regulate gene expres arginine residues to g methylated proteins. 26, and 42), histone H type 1 PRMTs, which often associated with on histone H3 (Arg2 a arginine residues are transcription repressio (PADI) to form the no	he proteins H2A, H2 nuclear activities, in tion, including acet recognized and box sion (1-4). Protein generate mono-met Asymmetrically di-r H4 (Arg3), and histo include PRMT1, P actively transcribe and 8), histones H4 generated by type on (5-9). Arginine r n-coded amino aci	in building block and cor 2B, H3, and H4. Chroma ncluding transcription. Hi tylation, phosphorylation, und by chromatin modifie arginine methyltransfera thylated, symmetrically d methylated arginine resic one H2A (Arg3) proteins rRMT2, PRMT4/CARM1, d genes. Symmetric di-n 4 (Arg3), and H2A (Arg3) II transferases PRMT5 a esidues can also be deir d citrulline. Conversion of a histone arginine methyl	ttin remodeling plays a stone proteins are targ , ubiquitination, and m ers and the transcriptic ses (PRMTs) methylat li-methylated, or asym lues are found on histo . Asymmetric methylat and PRMT6. These r nethylation of arginine . Symmetrically di-me and PRMT7, and are o ninated by a peptidyl a of arginine to citrulline	a critical role in the gets of post- ethylation. Modified on machinery to te histone proteins at metrically di- one H3 (Arg2, 8, 17, ion is carried out by nodifications are residues are found thylated histone often associated with arginine deiminase
Background Referenc	 Zentner, G.E. and I Rothbart, S.B. and Gayatri, S. and Bee Wysocka, J. et al. (Di Lorenzo, A. and Yang, Y. and Bedfo Molina-Serrano, D. Casadio, F. et al. (20 Wang, Y. et al. (200 Cuthbert, G.L. et al 	Henikoff, S. (2013) Strahl, B.D. (2014) dford, M.T. (2014) (2006) Front Biosci Bedford, M.T. (201 nd, M.T. (2013) Nai et al. (2013) Bioch (2013) Proc Natl Aca (2013) Cell 118, 5 (2004) Cell 118, 5 (2004) Cell 118, 5	1) FEBS Lett 585, 2024 t Rev Cancer 13, 37-50. nem Soc Trans 41, 751-9 ad Sci USA 110, 14894- 79-83. 545-53. d Sci USA 109, 13331-6.	259-66. 627-43. 02-10. -31. 9. 9.	

1/1/24, 3:33 PM S	mmetric Di-Methyl Histone H3 (Arg8) (E1W5H) Rabbit mAb (#13939) Datasheet Without Images Cell Sign			
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).			
Western Blot Buff	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			
Cross-Reactivity k	 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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