

FC-FP	H M R Mk Z	Endogenous	Rabbit IgG	#P68431	8350
Product Usage Information		<b>blication</b> w Cytometry (Fixe	d/Permeabilized)		Dilution 1:50
Storage		Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.			
Specificity / Sensiti		Acetyl-Histone H3 (Lys9) (C5B11) Rabbit mAb (PE Conjugate) detects endogenous levels of histone H3 only when acetylated on Lys9. This antibody does not cross-react with other acetylated histones.			
Species predicted t react based on 100 sequence homolog	%	previsiae			
Source / Purificatio		,	s produced by immunizing anin one H3 in which Lys9 is acetyla	nals with a synthetic peptide corres ated.	sponding to the
Product Descriptio	flow	cytometry analysi	s in human cells. This antibody	d to phycoerythrin (PE) and tested is expected to exhibit the same sp s9) (C5B11) Rabbit mAb #9649.	
Background	The and vario ubiqu acce histo 14, 1 chroi tighti at Th Imm	nucleosome, mad H4), is the primary ous posttranslation uitination (2-5). Th ssibility of chroma ne H2B is primari .8, 23, 27, and 56. matin assembly in y correlated with or 3 of histone H3 i unostaining with p	le up of DNA wound around eig y building block of chromatin (1 hal modifications, including ace hese modifications occur in resp atin to transcription factors and, ly acetylated at Lys5, 12, 15, au . Acetylation of H3 at Lys9 appe a some organisms (2,3). Phosp chromosome condensation dur s highly conserved among mar	role in the regulation of transcripting th core histone proteins (two each ). The amino-terminal tails of core tylation, phosphorylation, methylat bonse to various stimuli and have a therefore, gene expression (6). In nd 20 (4,7). Histone H3 is primarily ears to have a dominant role in his horylation at Ser10, Ser28, and Th ing both mitosis and meiosis (8-10 hy species and is catalyzed by the nammalian cells reveals mitotic ph ring anaphase (11).	of H2A, H2B, H3, histones undergo ion, and a direct effect on the most species, v acetylated at Lys9, tone deposition and ir11 of histone H3 is i). Phosphorylation kinase haspin.
Background Refere	2. Ha 3. Sti 4. Ch 5. Be 6. Ja 7. Th 8. He 9. Go 10. Pr	ansen, J.C. et al. ( rahl, B.D. and Allis neung, P. et al. (20 ernstein, B.E. and skelioff, M. and Po torne, A.W. et al. ( endzel, M.J. et al. oto, H. et al. (1999 euss, U. et al. (20	Kingston, R.E. (1998) Annu Re (1998) Biochemistry 37, 17637- s, C.D. (2000) Nature 403, 41-5 000) Cell 103, 263-71. Schreiber, S.L. (2002) Chem E eterson, C.L. (2003) Nat Cell B (1990) Eur J Biochem 193, 701 (1997) Chromosoma 106, 348- 0) J Biol Chem 274, 25543-9. 03) Nucleic Acids Res 31, 878- Genes Dev 19, 472-88.	41. 5. 8io/ 9, 1167-73. io/ 5, 395-9. -13. -60.	

**Species Reactivity** 

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

1/1/24, 11:21 AM	Acetyl-Histone H3 (Lys9) (C5B11) Rabbit mAb (PE Conjugate) (#28036) Datasheet Without Images Cell Sig			
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)			
Cross-Reactivity	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>			
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. U.S. Patent No. 7,429,487, foreign equivalents, and child patents deriving therefrom. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.			
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.			
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.			