PCAF (C14G9) Rabbit mAb				CHNOLOGY®	
Sto				Orders:	877-616-CELL (2355) orders@cellsignal.com
278				Support:	877-678-TECH (8324)
1337				Web:	info@cellsignal.com cellsignal.com
#			3 Trask La	ane   Danvers   Ma	ssachusetts   01923   USA
For Research Use Only. Not for U	se in Diagnostic Proce	edures.			
Applications: Reactivit WB, IP, ChIP, ChIP-seq H M R M		<b>MW (kDa):</b> 93	Source/Isotype: Rabbit IgG	UniProt ID: #Q92831	Entrez-Gene Id: 8850
Product Usage Information			use 20 µl of antibody and validated using SimpleC		
	Application			Dilution	I
	Western Blotting			1:1000	
	Immunoprecipitation			1:100	
	Chromatin IP			1:25	
	Chromatin IP-seq			1:25	
Storage			7.5), 150 mM NaCl, 100 µ o not aliquot the antibody.		cerol and less than
Specificity / Sensitivity	PCAF (C14G9) Rabbit r cross-react with the rela		ogenous levels of total Petein.	CAF protein. The a	ntibody does not
Species predicted to react based on 100% sequence homology:	Bovine, Horse				
Source / Purification	Monoclonal antibody is amino terminus of huma		nunizing animals with a s	ynthetic peptide co	rresponding to the
Background	p300/CBP-associated factor (PCAF), also known as lysine acetyl-transferase 2B (KAT2B), is a transcriptional adaptor protein and histone acetyl-transferase (HAT) that functions as the catalytic subunit of the PCAF transcriptional co-activator complex (1). PCAF is 73% homologous to GCN5L2, another HAT protein found in similar complexes (1,2). Like GCN5L2, PCAF acetylates histone H3 on Lys14 and histone H4 on Lys8, both of which contribute to gene activation by modulating chromatin structure and recruiting additional co-activator proteins that contain acetyl-lysine binding bromo-domains (3). PCAF also acetylates non-histone proteins including transcriptional activators (p53, E2F1, MyoD), general transcription factors (TFIIEβ and TFIIF) and architectural DNA binding proteins (HMGA1 and HMG17) (4-10). Acetylation of these proteins regulates their nuclear localization, protein stability, DNA binding, and co-activator association.				
Background References	1. Nagy, Z. and Tora, L. 2. Yang, X.J. et al. (1994) 3. Schiltz, R.L. et al. (19 4. Bannister, A.J. and M 5. Liu, L. et al. (1999) <i>M</i> 6. Martínez-Balbás, M.A 7. Sartorelli, V. et al. (19 8. Imhof, A. et al. (1997) 9. Munshi, N. et al. (1991) 10. Herrera, J.E. et al. (1993)	5) Nature 382, 31 199) J Biol Chem iska, E.A. (2000) Iol Cell Biol 19, 1 A. et al. (2000) EM 199) Mol Cell 4, 7 1) Curr Biol 7, 689 18) Mol Cell 2, 45	19-24. 274, 1189-92. Cell Mol Life Sci 57, 118 202-9. MBO J 19, 662-71. 25-34. -92. 7-67.	34-92.	

```
Species Reactivity
```

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

1/1/24, 12:33 PM Western Blot Buffer	PCAF (C14G9) Rabbit mAb (#3378) 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 IP: Immunoprecipitation ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq		
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		
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 or services that would compete with CST products or services, (c) not alter or remove from the 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.		