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

Applications: I W, IP, IHC-P, IF-IC, ChIP, E-P	Reactivity: All	<b>Sensitivity:</b> Endogenous	Source/Isotype: Rabbit	
Product Usage Information		For optimal ChIP results, IP. This antibody has bee	use 10 µl of antibody and 10 µg of cl n validated using SimpleChIP <sup>®</sup> Enzyr	hromatin (approximately 4 x 10 <sup>6</sup> cells) pe natic Chromatin IP Kits.
		Application		Dilution
		Western Blotting		1:1000
		Immunoprecipitation		1:100
		Immunohistochemistry		1:300 - 1:1200
		Immunofluorescence (In	nmunocytochemistry)	1:100 - 1:400
		Chromatin IP		1:25
		Peptide ELISA (DELFIA)		1:2000
Storage		Supplied in 10 mM sodiu 20°C. Do not aliquot the		μg/ml BSA and 50% glycerol. Store at –
Specificity/Sensitivi	ty	amine groups of lysine r contexts. It has been der acetylated BSA. The antil	esidues. The antibody recognizes ace nonstrated to recognize acetylated h	lly modified by acetylation on the epsilon tylated lysine in a wide range of sequenc istones, p53, CBP, PCAF and chemically s little as 0.04 ng of chemically acetylated
Source / Purificatio	n		e produced by immunizing animals w podies are purified by protein A and p	
Background		modification controlling histones (H2A, H2B, H3, and deacetylated by hist of histones, transcriptior including chromatin stru proteomic surveys sugge of post-translational pro cycle and metabolism, lo protein acetylation statu	protein activity. The conserved aming and H4) contain lysines that are acety one deacetylases (HDACs) (1). Signali n factors, and other proteins affects a icture and gene activity, cell growth, o set that acetylation of lysine residues tein modification that affects thousar	vlated by histone acetyltransferases (HATs ng resulting in acetylation/deacetylation diverse array of cellular processes differentiation, and apoptosis (2-6). Recer may be a widespread and important forn nds of proteins involved in control of cell uclear transport (7,8). The regulation of mine diseases (9), and HDACs have
Background Refere	nces	<ol> <li>Allfrey, V.G. et al. (1964</li> <li>Liu, L. et al. (1999) <i>Mo.</i></li> <li>Boyes, J. et al. (1998) <i>M</i></li> <li>Polevoda, B. and Sheri</li> <li>Yoshida, M. et al. (2006) <i>N</i></li> <li>Choudhary, C. et al. (2002) <i>Cu</i></li> <li>Hughes, R.E. (2002) <i>Cu</i></li> </ol>	<i>lature</i> 396, 594-8. man, F. (2002) <i>Genome Biol</i> 3, review: 3) <i>Prog Cell Cycle Res</i> 5, 269-78. <i>Mol Cell</i> 23, 607-18. 009) <i>Science</i> 325, 834-40.	s 0006.
Species Reactivity		Species reactivity is dete	rmined by testing in at least one app	roved application (e.g., western blot).
Western Blot Buffer			n blots, incubate membrane with dilu 4°C with gentle shaking, overnight.	ted primary antibody in 5% w/v BSA, 1X
Applications Key			immunoprecipitation <b>IHC-P:</b> Immuno nmunocytochemistry) <b>ChIP:</b> Chromat	

Cross-Reactivity Key	All: All Species Expected				
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