## Acetyl-CBP (Lys1535)/p300 (Lys1499) Antibody



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Applications: W, W-S, IP	<b>Reactivity:</b> H M Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 300	Source/Isotype: Rabbit	<b>UniProt ID:</b> #Q92793, #Q09472	Entrez-Gene Id: 1387, 2033
Product Usage Information		For optimal ChIP results, use 10 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 Simple Western™ Immunoprecipitation			<b>Dilution</b> 1:1000 1:10 - 1:50 1:50	
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th		), 150 mM NaCl, 100 μ	g/ml BSA and 50% glyc	erol. Store at –
Specificity/Sen	sitivity	Acetyl-CBP (Lys1535)/p300 (Lys1499) Antibody detects endogenous levels of CBP or p300 only when acetylated at lysine 1535 or lysine 1499, respectively.				00 only when
Species predict based on 100% homology		Rat				
Source / Purific	ation	Polyclonal antibodies a corresponding to resic and peptide affinity ch	lues surrounding L			
Background		CBP (CREB-binding pro activators that associa signal transduction pa acetyltransferase (HAT Phosphorylation of p3 the same site by AMPk phosphorylation of p3 phosphorylation of CB (6). CaM kinase IV phos activation in the CNS (7 p300 at Lys1499 has be signaling events (9).	te with transcriptio thways with the tra ) activity, allowing t 00 at Ser89 by PKC disrupts the assoc 00 by Akt disrupts i P at Ser437, which sphorylates CBP at 7). The role of acety	nal regulators and sig inscriptional machiner them to acetylate histo represses its transcrip tation of p300 with nu ts association with C/E is required for CBP rec Ser302, which is requi rlation of CBP/p300 is o	naling molecules, integ y (1,2). CBP/p300 also nes and other proteins tional activity, and pho clear receptors (3,4). S BPβ (5). Growth factor ruitment to the transc red for CBP-dependen of particular interest (2	yrating multiple contain histone s (2). sphorylation at er1834 s induce ription complex t transcriptional (8). Acetylation of
Background Re	eferences	1. Goodman, R.H. and 2. Chan, H.M. and La T 3. Yuan, L.W. and Gam 4. Yang, W. et al. (2001) 5. Guo, S. et al. (2001) 6. Zanger, K. et al. (2002 7. Impey, S. et al. (2002 8. Yuan, L.W. and Gioro 9. Thompson, P.R. et al. 10. Stiehl, D.P. et al. (2003)	hangue, N.B. (2001 bee, J.E. (2000) <i>J. Bi</i> ) <i>J. Biol. Chem.</i> 276, <i>J. Biol. Chem.</i> 276, 8 1) <i>Mol. Cell</i> 7, 551-5 2) <i>Neuron</i> 34, 235-2 dano, A. (2002) <i>Onc</i> I. (2004) <i>Nat. Struct</i>	) <i>J. Cell Sci.</i> 114, 2363-2 ol. Chem. 275, 40946-4 38341-38344. 3516-8523. 558. 444. <i>cogene</i> 21, 2253-2260. <i>Mol. Biol.</i> 11, 308-315	0951.	
Species Reactiv	/ity	Species reactivity is de	termined by testing	g in at least one appro	ved application (e.g., w	estern blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a			d primary antibody in t	5% w/v BSA, 1X
Applications K	ey	W: Western Blotting W	<b>/-S:</b> Simple Westerr	™ <b>IP:</b> Immunoprecipit	ation	

Cross-Reactivity Key	H: Human M: Mouse Mk: Monkey
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