Store at -20C	Tip60 Antibody		Cell Signaling			
		Orders:	877-616-CELL (2355) orders@cellsignal.com			
∞		Support:	877-678-TECH (8324)			
205		Web:	info@cellsignal.com cellsignal.com			
#		3 Trask Lane Danvers M	assachusetts 01923 USA			
For Research Use Only. Not for Use in Diagnostic Procedures.						

Applications: W	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 60	Source/Isotype: Rabbit	UniProt ID: #Q92993	Entrez-Gene Id: 10524
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sod 20°C. Do not aliquot th	ium HEPES (pH 7.5 e antibody.	ō), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	ycerol. Store at –
Specificity/Sens	sitivity	Tip60 Antibody recogn	izes transfected le	vels of total Tip60 protei	n.	
Species predictor based on 100% homology	ed to react sequence	Mouse, Monkey, Bovin	e, Horse, Guinea P	ig		
Source / Purific	ation	Polyclonal antibodies a residues surrounding H affinity chromatograph	ire produced by im His60 of human Tij าy.	munizing animals with a 660 protein. Antibodies a	a synthetic peptide are purified by prote	corresponding to ein A and peptide
Background		Tip60 is a member of tl plays a role in a variety apoptosis (1,2). Tip60 e p400, Reptin, and Pont Tip60 is required for th histones H4 and H2A.X acetylation at Lys120 o upon DNA damage (8,9 factors such as nuclear important for mouse e regulators that are con phosphorylation at Ser required autophagy pr	he MYST (MOZ, YB r of cellular process exists as part of a r in (3,4). Tip60 play the activation of the t at DSBs to facilita f p53 within the D d). Tip60 is involved r receptors and β -c mbryonic stem ce throlled by Nanog (86 of Tip60 promo otein ULK1 (15).	F2, SAS2 and Tip60) fami ses such as transcription nulti-subunit complex th s important roles in dou ATM kinase in response te DNA repair (1,2,5-7). I NA binding domain is red d in a number of transcri catenin (10-13). The Tip60 Il self-renewal by regulat 14). GSK3 (glycogen syn stes Tip60 acetylation an	ly of histone acetyl al regulation, DNA at includes proteins ble-stranded DNA b to DSBs, as well as n addition, Tip60 de quired for the induc ptional regulation p complex has beer ing transcription of chase kinase-3) med d subsequent stimu	transferases and repair, and s such as TRRAP, preak (DSB) repair. acetylation of ependent ction of apoptosis pathways driven by shown to be developmental diated ulation of the
Background Re	ferences	1. Sun, Y. et al. (2010) <i>C</i> 2. Fischle, W. (2009) <i>Na</i> 3. Cai, Y. et al. (2003) <i>J</i> 4. Cai, Y. et al. (2005) <i>J</i> 5. Sun, Y. et al. (2005) <i>F</i> 6. Murr, R. et al. (2006) 7. Ikura, T. et al. (2007) 8. Tang, Y. et al. (2006) 9. Sykes, S.M. et al. (2006) 10. Gaughan, L. et al. (2007) 11. Jeong, K.W. et al. (2007) 12. Brady, M.E. et al. (11) 13. Kim, J.H. et al. (2005) 14. Fazzio, T.G. et al. (2005) 15. Lin, S.Y. et al. (2005)	Cell Cycle 9, 930-6. tt Cell Biol 11, 1279 Biol Chem 278, 427 Biol Chem 280, 136 Proc Natl Acad Sci (Nat Cell Biol 8, 91- Mol Cell 24, 827-39 06) Mol Cell 24, 84 2002) J Biol Chem 2 50 Nature 434, 921- 008) Cell 134, 162-) Science 336, 477-	9-81. 733-6. 565-70. <i>J S A</i> 102, 13182-7. 9. 028-40. 9. 1-51. 277, 25904-13. <i>ol Biol</i> 18, 1358-65. 74, 17599-604. -6. 74.		
Species Reactiv	ity	Species reactivity is def	termined by testin	g in at least one approve	d application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste dry milk, 1X TBS, 0.1%	ern blots, incubate Tween® 20 at 4°C	membrane with diluted with gentle shaking, ove	primary antibody iı rnight.	n 5% w/v nonfat
Applications Ke	y	W: Western Blotting				

Cross-Reactivity Key	H: Human			
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