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

Applications: W	Reactivity: H	Sensitivity: Transfected Only	<b>MW (kDa):</b> 60	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q92993	<b>Entrez-Gene Id:</b> 10524
Product Usage Information		<b>Application</b> Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				ycerol. Store at –
Specificity/Sens	sitivity	Tip60 Antibody recognizes transfected levels of total Tip60 protein.				
Species predict based on 100% homology		Mouse, Monkey, Bovin	e, Horse, Guinea P	ig		
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His60 of human Tip60 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		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 cor	r of cellular process exists as part of a n in (3,4). Tip60 play the activation of the at DSBs to facilita of p53 within the DI D). Tip60 is involved r receptors and β-c mbryonic stem cell throlled by Nanog ( 86 of Tip60 promo	F2, SAS2 and Tip60) fam 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 re d in a number of transcri atenin (10-13). The Tip60 I self-renewal by regulat 14). GSK3 (glycogen syn ites Tip60 acetylation an	al regulation, DNA at includes protein: ble-stranded DNA b to DSBs, as well as n addition, Tip60 de quired for the indu ptional regulation complex has beer ing transcription of thase kinase-3) mee	repair, and s such as TRRAP, preak (DSB) repair. a acetylation of ependent ction of apoptosis pathways driven by n shown to be f developmental diated
Background Re	ferences	<ol> <li>Sun, Y. et al. (2010) <i>Cell Cycle</i> 9, 930-6.</li> <li>Fischle, W. (2009) <i>Nat Cell Biol</i> 11, 1279-81.</li> <li>Cai, Y. et al. (2003) <i>J Biol Chem</i> 278, 42733-6.</li> <li>Cai, Y. et al. (2005) <i>J Biol Chem</i> 280, 13665-70.</li> <li>Sun, Y. et al. (2005) <i>Proc Natl Acad Sci U S A</i> 102, 13182-7.</li> <li>Murr, R. et al. (2006) <i>Nat Cell Biol</i> 27, 7028-40.</li> <li>Tang, Y. et al. (2006) <i>Mol Cell 24</i>, 827-39.</li> <li>Sykes, S.M. et al. (2002) <i>J Biol Chem</i> 277, 25904-13.</li> <li>Jeong, K.W. et al. (2011) <i>Nat Struct Mol Biol</i> 18, 1358-65.</li> <li>Brady, M.E. et al. (1999) <i>J Biol Chem</i> 274, 17599-604.</li> <li>Kim, J.H. et al. (2005) <i>Nature</i> 434, 921-6.</li> <li>Fazzio, T.G. et al. (2008) <i>Cell</i> 134, 162-74.</li> <li>Lin, S.Y. et al. (2012) <i>Science</i> 336, 477-81.</li> </ol>				
Species Reactiv	ity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer			membrane with diluted with gentle shaking, ove		n 5% w/v nonfat
Applications Ke	ey.	W: Western Blotting				

Cross-Reactivity Key	H: Human
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