HDAC6 (D21B10) Rabbit mAb



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Applications: W, W-S, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 160	Source/Isotype: Rabbit IgG	UniProt ID: #Q9UBN7	Entrez-Gene Id: 10013	
Product Usage Information Storage		Application Western Blotting Simple Western™ Immunoprecipitation Supplied in 10 mM soo	dium HEPES (pH 7.5	i), 150 mM NaCl, 100 μg, ot aliquot the antibody.	Dilution 1:1000 1:10 - 1:50 1:200		
Specificity/Sensitivity		HDAC6 (D21B10) Rabbit mAb recognizes endogenous levels of total HDAC6 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro681 of human HDAC6 protein.					
Background		microtubule network (migration, immune sy HDAC6 contains two ta substrates, including h the ability to deacetyla deacetylation of histor binding and motility o JNK-interacting protein modulating the bindin chaperone complex ac addition to its role as a proteinaceous inclusic denatured proteins (8) protein aggregates for ubiquitin-binding dom both poly-ubiquitinate proteins to the aggress machinery and clearar protection against the	(1). It is involved in a napse formation, v andem catalytic dom nistones and non-h ate histone proteins nes <i>in vivo</i> (2,3). The f the kinesin-1 motor f the kinesin-1 motor of cortactin to F-a ctivity by regulating a protein deacetylas on body that forms b. Formation of the r eventual autopha- nain that binds both ad misfolded protein come (9,10). HDAC6 nee of aggresomes deleterious effects	nzyme localized to the cy the regulation of many of iral infection, and degra mains that facilitate the istone proteins such as to s in vitro, there is no evice e acetylation/deacetylation detrylation/deacetylation actin (5). Acetylation/deacetylation actin (5). Acetylation/deacetylation actin (5). Acetylation/deacetylation actin (5). Acetylation/deacetylation in response to an accum aggresome is a protectifi gic clearance from the con mono- and poly-ubiqui ns and dynein motors, fa is also required for sub- from the cell (11). Thus, s of pathological protein ntington's disease (11).	cellular processes, ir dation of misfolded deacetylation of mu tubulin, cortactin, ar dence for HDAC6-me ion of tubulin on Lys ent transport of carg of cortactin regulate acetylation of HSP907 atial cochaperone pr a component of the nulation of misfolde ve response that see ell. HDAC6 contains itinated proteins (8), acilitating the transp sequent recruitmen HDAC6 plays a key	ncluding cell proteins (1). Itiple protein ad HSP90. Despite ediated 40 regulates go proteins such as es cell motility by modulates otein, p23 (6,7). In aggresome, a d or partially questers cytotoxic a zinc finger HDAC6 binds to port of misfolded t of the autophagic role in the	
Background R	eferences	1. Boyault, C. et al. (20 2. Haggarty, S.J. et al. (3. Zhang, Y. et al. (200 4. Reed, N.A. et al. (200 5. Zhang, X. et al. (200 6. Kovacs, J.J. et al. (200 7. Murphy, P.J. et al. (200 8. Seigneurin-Berny, D 9. Kawaguchi, Y. et al. 10. Boyault, C. et al. (200	2003) Proc Natl Aca 3) EMBO J 22, 1168- 06) Curr Biol 16, 210 7) Mol Cell 27, 197- 05) Mol Cell 18, 601 005) J Biol Chem 28 0. et al. (2001) Mol C (2003) Cell 115, 727 006) EMBO J 25, 332	<i>ad Sci U S A</i> 100, 4389-94 79. 66-72. 213. -7. 0, 33792-9. <i>Cell Biol</i> 21, 8035-44. 7-38. 57-66.	4.		
Species Reacti	vity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	15% w/v BSA, 1X	

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Applications Key	W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation	
Cross-Reactivity Key	H: Human M: Mouse R: Rat	
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