at -	SirT6 (D10A4) Rabbit mAb	T C			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#	3	Trask Lane Danvers	Massachusetts 01923 USA		

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 42	Source/Isotype: Rabbit IgG	UniProt ID: #Q8N6T7	Entrez-Gene Id: 51548		
Product Usage Information		oplication estern Blotting		Dilution 1:1000				
	Im	munoprecipitation			1:200			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		SirT6 (D10A4) Rabbit mAb recognizes endogenous levels of total SirT6 protein. This antibody does not cross-react with other sirtuin proteins. This antibody detects a non-specific protein at 70 kDa of unknown origin.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a recombinant protein specific to the carboxy terminus of human SirT6 protein.						
Background	nico dea whi agii the The alky dar inst	otinamide adenine di acetylases. The first c ich is involved in siler ng (1). SirT6, a mam normal maintenance e BER pathway repai ylation, oxidation, and naging agents, includ tability with increased T6 may regulate the B	nucleotide (NAD) discovered and b noting of mating ty malian homolog of genome integ irs single-strande d deamination ev ding the alkylating d frequency of fra	amily of genes is a highl -dependent protein dea est characterized of this 'pe loci, telomere maintu of Sir2, is a nuclear, chru- rity mediated by the ba- d DNA lesions that arise ents. SirT6 deficient min g agents MMS and H ₂ O, gmented chromosomes deacetylating DNA Pol	cetylases, also known family is <i>Saccharomy</i> enance, DNA damage omatin-associated pro- se excision repair (BE e spontaneously from ce show increased set 2 (2). In addition, thes datached centromer	n as class III histone vces cerevisiae Sir2, e response, and cell otein that promotes iR) pathway (2-4). endogenous nsitivity to DNA- e mice show genome es, and gaps (2).		
Background References		 Guarente, L. (1999) Nat Genet 23, 281-5. Mostoslavsky, R. et al. (2006) Cell 124, 315-29. Liszt, G. et al. (2005) J Biol Chem 280, 21313-20. Michishita, E. et al. (2005) Mol Biol Cell 16, 4623-35. 						
Species Reactivity	Spe	cies reactivity is dete	rmined by testing	in at least one approve	ed application (e.g., w	estern blot).		
Western Blot Buffe		ORTANT: For wester 6 Tween® 20 at 4°C v		ate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, naking, overnight.				
Applications Key	WB	: Western Blotting IP	: Immunoprecipi	tation				
Cross-Reactivity K	X : X		B: bovine Dg: do	ter Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster : dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse ecies expected				
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SirT6 (D10A4) Rabbit mAb (#8771) Datasheet Without Images Cell Signaling Technology

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