e at -20C	FoxO3a (D7D3Y) Mouse mAb		Cell Signaling TECHNOLOGY®	
Store a		Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA	

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

Applications: WB, IP, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 82 to 97	Source/Isotype: Mouse IgG1	UniProt ID: #O43524	Entrez-Gene Id: 2309	
Product Usage	Ар	plication				Dilution	
Information	We	estern Blotting				1:1000	
	Imi	munoprecipitation				1:50	
	Imi	munofluorescence (I	mmunocytochem	nistry)		1:800	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		FoxO3a (D7D3Y) Mouse mAb detects exogenous and endogenous levels of total FoxO3a protein. The antibody does not detect the exogenously expressed family members FoxO1 or FoxO4.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly381 of human FoxO3a.					
Background Background Refere	leuk to th Akt Incr Forl neg are exp by t ences 1. A 2. G 3. B	kemias (1-3). Within the nematode ortholo (4-6). Active forkhea eased expression of khead transcription f atively regulated thru inactivated through ort and inhibition of t he deacetylase sirtu inderson, M.J. et al. calili, N. et al. (1993) orkhardt, A. et al. (19	the family, three gue DAF-16, whi ad members act a f any FoxO memi actors also play a ough PI3K (7). In phosphorylation i transcription facto in (SirT1) (9). (1998) Genomics Nat Genet 5, 230 997) Oncogene 1	0-5. 14, 195-202.	04, and FoxO3a) have ria a pathway involvin r promoting cell cycle ion of the cell cycle in ad upregulation of p21 sults when forkhead t , and Ser319, which r	e sequence similarity g IGFR1, PI3K, and arrest and apoptosis. hibitor p27 Kip1. Cip1, a process ranscription factors esults in nuclear	
	5. R 6. G 7. S 8. A	lakae, J. et al. (1999 tena, G. et al. (1999) Guo, S. et al. (1999) eoane, J. et al. (200 rden, K.C. (2004) <i>M</i> ang, Y. et al. (2005)) J Biol Chem 274, J Biol Chem 274, 4) Cell 117, 211- ol Cell 14, 416-8.	4, 17179-83. 17184-92. 23.			
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).					
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key	WB	: Western Blotting IF	P: Immunoprecipi	tation IF-IC: Immunoflu	prescence (Immunocy	rtochemistry)	
Cross-Reactivity Key		H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected					
Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.					

FoxO3a (D7D3Y) Mouse mAb (#99199) Datasheet Without Images Cell Signaling Technology

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