e at -20C	FoxO3a (75D8) Rabbit mAb		Cell Signaling		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
7		Support:	877-678-TECH (8324)		
:2497		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danvers Mas	sachusetts 01923 USA		

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

Applications: WB, IP, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 82 to 97	Source/Isotype: Rabbit IgG	UniProt ID: #O43524	Entrez-Gene Id: 2309		
Product Usage Information	W	pplication l'estern Blotting nmunoprecipitation nmunofluorescence (Immunocytochen	nistry)		Dilution 1:1000 1:100 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		FoxO3a (75D8) Rabbit mAb detects exogenous and endogenous levels of total FoxO3a protein. The antibody does not detect the exogenously expressed family members FoxO4 or FoxO1.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu50 of human FoxO3a.						
Background	leu to t Aki Inc Foi nei are exp	kemias (1-3). Within the nematode ortholo t (4-6). Active forkhea reased expression o rkhead transcription f gatively regulated thr e inactivated through	the family, three ogue DAF-16, wh ad members act a f any FoxO memi actors also play ough PI3K (7). In phosphorylation transcription factor	ors is involved in tumori members (FoxO1, FoxO ich mediates signaling v as tumor suppressors by ber results in the activat a part in TGF-β-mediate icreased proliferation re by Akt at Thr24, Ser256 or activity (8). Forkhead	24, and FoxO3a) have ria a pathway involvin / promoting cell cycle ion of the cell cycle ir ad upregulation of p21 sults when forkhead t , and Ser319, which i	e sequence similarity g IGFR1, PI3K, and arrest and apoptosis. hibitor p27 Kip1. . Cip1, a process ranscription factors results in nuclear		
Background Refe	2. (3. E 4. 1 5. F 6. (7. \$ 8. /	Anderson, M.J. et al. Galili, N. et al. (1993) Borkhardt, A. et al. (1 Nakae, J. et al. (1999) Rena, G. et al. (1999) Guo, S. et al. (1999) Seoane, J. et al. (200 Arden, K.C. (2004) <i>M</i> Yang, Y. et al. (2005)	Nat Genet 5, 23 997) Oncogene 2) J Biol Chem 27) J Biol Chem 274 J Biol Chem 274, 4) Cell 117, 211- 10 Cell 14, 416-8	0-5. 14, 195-202. 4, 15982-5. 4, 17179-83. , 17184-92. -23.				
Species Reactivity	y Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	vestern blot).		
Western Blot Buff		ORTANT: For wester % Tween® 20 at 4°C		membrane with diluted ing, overnight.	primary antibody in 5	% w/v BSA, 1X TBS,		
Applications Key	WE	3: Western Blotting IF	•: Immunoprecipi	itation IF-IC: Immunoflu	orescence (Immunoc	ytochemistry)		
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						
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. Alexa Fluor is a registered trademark of Life Technologies Corporation. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						

FoxO3a (75D8) Rabbit mAb (#2497) Datasheet Without Images Cell Signaling Technology

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.