FoxO1 (L27) Antibody	
Store at	Orders: 877-616-CELL (2355) orders@cellsignal.com
4	Support: 877-678-TECH (8324)
#9454	Web: info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers Massachusetts 01923 USA

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

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 78 to 82	Source: Rabbit	UniProt ID: #Q12778	Entrez-Gene Id: 2308		
Product Usage Information	-	plication estern 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.						
Specificity / Sensi		FoxO1 (L27) Antibody detects endogenous levels of total FoxO1 protein and does not cross-react with endogenous FoxO3a or FoxO4. The antibody also cross-reacts with an unidentified protein at 95 kDa.						
Species predicted react based on 10 sequence homolo	0%	cken						
Source / Purificati	ami	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acids within the amino terminus of mouse FoxO1. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	leuk to tř Akt Incr Forl neg are exp	temias (1-3). Within ne nematode ortholo (4-6). Active forkhea eased expression o khead transcription atively regulated thr inactivated through	the family, three mo ogue DAF-16, which ad members act as f any FoxO member factors also play a rough PI3K (7). Incr phosphorylation by transcription factor	embers (FoxO1, Fo n mediates signaling tumor suppressors r results in the activ part in TGF-β-media eased proliferation r Akt at Thr24, Ser25	origenesis of rhabdomyo xO4, and FoxO3a) have g via a pathway involving by promoting cell cycle a ration of the cell cycle inf ated upregulation of p21 results when forkhead tr. 56, and Ser319, which re ad transcription factors c	sequence similarity g IGFR1, PI3K, and arrest and apoptosis. hibitor p27 Kip1. Cip1, a process anscription factors esults in nuclear		
Background Refer	2. G 3. B 4. N 5. R 6. G 7. S 8. A	nderson, M.J. et al. ialili, N. et al. (1993) orkhardt, A. et al. (1 lakae, J. et al. (1999) ena, G. et al. (1999) eoane, J. et al. (200 rden, K.C. (2004) <i>M</i> ang, Y. et al. (2005)	Nat Genet 5, 230- .997) Oncogene 14 9) J Biol Chem 274,) J Biol Chem 274, J Biol Chem 274, 1 94) Cell 117, 211-23 101 Cell 14, 416-8.	5. , 195-202. 15982-5. 17179-83. 7184-92. 3.				
Species Reactivity	Spec	cies reactivity is dete	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).		
Western Blot Buff		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	WB	: Western Blotting						
Cross-Reactivity F	X: X	 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

Limited Uses

FoxO1 (L27) Antibody (#9454) Datasheet Without Images Cell Signaling Technology

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