

9454

FoxO1 (L27) Antibody



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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 78 to 82	Source/Isotype: Rabbit	UniProt ID: #Q12778	Entrez-Gene Id: 2308
Product Usage Information	2	Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		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 to react based on 100% sequence homology		Chicken				
Source / Purification		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		acute leukemias (1-3), similarity to the nema PI3K, and Akt (4-6). Ac and apoptosis. Increa inhibitor p27 Kip1. Fo p21 Cip1, a process not forkhead transcription Ser319, which results	. Within the family, atode orthologue Detive forkhead mem used expression of a rkhead transcription egatively regulated in factors are inactivin nuclear export a	ors is involved in tumori three members (FoxO1, AF-16, which mediates s bers act as tumor suppr my FoxO member result in factors also play a part through PI3K (7). Increa vated through phosphor ind inhibition of transcript d by the deacetylase sirt	FoxO4, and FoxO3a ignaling via a pathvessors by promoting in the activation of the TGF-β-mediated sed proliferation regulation by Akt at The ton factor activity	n) have sequence vay involving IGFR1, og cell cycle arrest of the cell cycle I upregulation of osults when or24, Ser256, and
Background References		1. Anderson, M.J. et al 2. Galili, N. et al. (1993 3. Borkhardt, A. et al. 4. Nakae, J. et al. (1995 5. Rena, G. et al. (1995 6. Guo, S. et al. (1999) 7. Seoane, J. et al. (2004) 8. Arden, K.C. (2004) 9. Yang, Y. et al. (2005	3) <i>Nat Genet</i> 5, 230 (1997) <i>Oncogene</i> 1 9) <i>J Biol Chem</i> 274, 9) <i>J Biol Chem</i> 274, 1 <i>J Biol Chem</i> 274, 1 04) <i>Cell</i> 117, 211-23 Mol Cell 14, 416-8.	-5. 4, 195-202. 15982-5. 17179-83. 7184-92.		
Species Reacti	vity	Species reactivity is do	etermined by testir	g in at least one approve	ed application (e.g.,	western blot).
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Western Blot Buffer

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 W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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