FoxO1 (C29H4) Rabbit mAb



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Applications: W, IP, IHC-P, IF-IC, FC-FP, ChIP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 78 to 82	Source/Isotype: Rabbit IgG	UniProt ID: #Q12778	Entrez-Gene Id: 2308	
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemistr Immunofluorescence Flow Cytometry (Fixed Chromatin IP	(Immunocytochem	istry)	1:1 1:1 1:5 1:5	0 - 1:200 0 - 1:200 00 - 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. For a carrier free (BSA and azide free) version of this product see product #29336.					
Specificity/Sensitivity		FoxO1 (C29H4) Rabbit mAb detects endogenous levels of total FoxO1 protein. The antibody does not detect exogenously expressed family members FoxO3a or FoxO4.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a GST-fusion protein corresponding to carboxy-terminal residues of human FoxO1.					
Background		acute leukemias (1-3). similarity to the nema PI3K, and Akt (4-6). Act and apoptosis. Increas inhibitor p27 Kip1. For p21 Cip1, a process ne forkhead transcription Ser319, which results i	Within the family, t tode orthologue DA tive forkhead memb sed expression of an khead transcription gatively regulated factors are inactiva in nuclear export ar	brs is involved in tumori hree members (FoxO1, IF-16, which mediates si bers act as tumor suppr by FoxO member results a factors also play a part through PI3K (7). Increa ated through phosphory ad inhibition of transcrip by the deacetylase sirt	FoxO4, and FoxO3a gnaling via a pathw essors by promotin s in the activation o : in TGF-β-mediated sed proliferation re /lation by Akt at Thr ption factor activity) have sequence vay involving IGFR1, g cell cycle arrest f the cell cycle l upregulation of sults when r24, Ser256, and	
Background Re	eferences	1. Anderson, M.J. et al. 2. Galili, N. et al. (1993 3. Borkhardt, A. et al. (4. Nakae, J. et al. (1999 5. Rena, G. et al. (1999) 6. Guo, S. et al. (1999) 7. Seoane, J. et al. (200 8. Arden, K.C. (2004) <i>M</i> 9. Yang, Y. et al. (2005)) <i>Nat Genet</i> 5, 230-5 1997) <i>Oncogene</i> 14 9) <i>J Biol Chem</i> 274, 1) <i>J Biol Chem</i> 274, 1 <i>J Biol Chem</i> 274, 17 <i>J Biol Chem</i> 274, 17 4) <i>Cell</i> 117, 211-23. 10 <i>I Cell</i> 14, 416-8.	5. , 195-202. 5982-5. 7179-83. 184-92.			
Species Reactiv	/ity	Species reactivity is de	termined by testing	j in at least one approve	ed application (e.g.,	western blot).	
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 IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP					
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey					

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