FoxO4 Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit	UniProt ID: #P98177	Entrez-Gene Id: 4303
Product Usage Information		Application Western 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/Sensitivity		The Fox04 Antibody detects endogenous levels of Fox04. The antibody is sensitive to phosphorylation within the antigen and preferrentially detects unphosphorylated Fox04. The antibody does not recognize Fox04b.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser71 of human Fox04a. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		acute leukemias (1-3) similarity to the nema PI3K, and Akt (4-6). Ad and apoptosis. Increa inhibitor p27 Kip1. Fo p21 Cip1, a process n forkhead transcriptio Ser319, which results	. Within the family, atode orthologue D ctive forkhead mem ased expression of a orkhead transcriptio egatively regulated n factors are inactiv in nuclear export a	ors is involved in tumorithree members (FoxO1, AF-16, which mediates s bers act as tumor suppr ny FoxO member result n factors also play a parthrough PI3K (7). Increated through phosphorid inhibition of transcript by the deacetylase sirt	FoxO4, and FoxO3a ignaling via a pathvessors by promoting in the activation of the TGF-β-mediated proliferation regulation by Akt at The totion factor activity) have sequence vay involving IGFR1, g cell cycle arrest f the cell cycle I upregulation of sults when 24, Ser256, and
Background References		 Anderson, M.J. et al. (1998) Genomics 47, 187-99. Galili, N. et al. (1993) Nat Genet 5, 230-5. Borkhardt, A. et al. (1997) Oncogene 14, 195-202. Nakae, J. et al. (1999) J Biol Chem 274, 15982-5. Rena, G. et al. (1999) J Biol Chem 274, 17179-83. Guo, S. et al. (1999) J Biol Chem 274, 17184-92. Seoane, J. et al. (2004) Cell 117, 211-23. Arden, K.C. (2004) Mol Cell 14, 416-8. Yang, Y. et al. (2005) EMBO J 24, 1021-32. 				
Species Reactiv	rity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Wastern Black B		IMPORTANT: F	As and Islands to as I at	and the second s		- F0//- DCA 43/

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

Trademarks and 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.

Limited Uses

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.

Orders: 877-616-CELL (2355) • orders@cellsignal.com • Support: 877-678-TECH (8324) • info@cellsignal.com • Web: cellsignal.com

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