ERRα

Store at -20C

(E1G1J) Rabbit mAb		
	Orders:	877-616-CELL (2355) orders@cellsignal.com
	Support	t: 877-678-TECH (8324)



info@cellsignal.com cellsignal.com 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Web:

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

<b>Applications:</b> W, ChIP, ChIP-seq	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 50	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P11474	<b>Entrez-Gene Id:</b> 2101
Product Usage Information		For optimal ChIP and ChIP-seq results, use 10 μl of antibody and 10 μg of chromatin (approximately 4 x 10 <sup>6</sup> cells) per IP. This antibody has been validated using SimpleChIP <sup>®</sup> Enzymatic Chromatin IP Kits.				
		<b>Application</b> Western Blotting Chromatin IP Chromatin IP-seq			<b>Dilution</b> 1:1000 1:50 1:50	
Storage				5), 150 mM NaCl, 100 µg. not aliquot the antibody.	/ml BSA, 50% glycei	ol and less than
Specificity/Sen	sitivity	ERRα (E1G1J) Rabbit mAb recognizes endogenous levels of total ERRα protein. This antibody does not cross-react with ERR family members ERRβ and ERRγ, and does not cross-react with either ERα or ERβ.				
Species predict based on 100% homology		Bovine, Dog, Pig, Hors	se			
Source / Purific	cation	Monoclonal antibody residues near the carl		nunizing animals with a s uman ERRα protein.	synthetic peptide co	prresponding to
Background		receptors, ERRα/NR3E ligands. PGC-1 coactiv transcription of genes (1). Estrogen-related rece genes involved in fatt receptor protein conta binding domain, and binding sites for nucle that ERRα transcriptio (6). ERRα is ubiquitous and other high metab	31, ERRβ/NR3B2, ar vators regulate ERR s involved in lipid m ptor α (ERRα/NR3B y acid oxidation, glu ains a non-conserve a ligand-binding dc ear receptor coactiv onal activity is regul sly expressed, with polic demand tissue ofavorable biomark	amily of orphan nuclear of ERRγ/NR3B3, that hav transcription activation actabolism, glucose meta 1) is an orphan nuclear r ucose metabolism, and r ed amino terminal doma omain. The carboxy-term vators PGC-1α and PGC-1 ated through phosphory strong expression obser is (2). Additional studies ers (7). The pharmacolog eutic approach (8,9).	e yet to be associat ability and receptor abolism, and mitoch receptor that contro nitochondrial bioge in (NTD), a central inal AF2 helix motif $\beta$ (3-5). Research st vlation and sumoyla ved in heart, kidne indicate that ERRa i	ed with natural induced nondrial biogenesis Is transcription of enesis (1,2). The zinc finger DNA of ERRα contains udies demonstrate tion within the NTD ys, skeletal muscle, s coexpressed in
Background Re	eferences	1. Giguère, V. (2008) <i>E</i> 2. Giguère, V. et al. (19 3. Huss, J.M. et al. (200 4. Schreiber, S.N. et al. 5. Kamei, Y. et al. (200 6. Tremblay, A.M. et al 7. Ariazi, E.A. et al. (20 8. Chang, C.Y. et al. (20 9. Deblois, G. et al. (20 10. Lanvin, O. et al. (20 11. Willy, P.J. et al. (20)	988) <i>Nature</i> 331, 91 02) <i>J Biol Chem</i> 277 (2003) <i>J Biol Chem</i> 3) <i>Proc Natl Acad S</i> I. (2008) <i>Mol Endoc</i> 02) <i>Cancer Res</i> 62, 011) <i>Cancer Cell</i> 20, 009) <i>Cancer Res</i> 69, 007) <i>J Biol Chem</i> 28	-4. , 40265-74. 278, 9013-8. <i>ci U S A</i> 100, 12378-83. <i>rinol</i> 22, 570-84. 6510-8. , 500-10. 6149-57. 2, 28328-34.		
Species Reactiv	/ity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer			membrane with diluted with gentle shaking, ove		n 5% w/v nonfat

Applications Key	W: Western Blotting ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq
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.
	SimpleChIP is a registered trademark of Cell Signaling Technology, Inc.
	XP is a registered 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 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.