e at -20C	RhoE (4) Mouse mAb		<b>Cell Signaling</b> TECHNOLOGY®	
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com	
34		Support:	877-678-TECH (8324)	
#3664		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane   Danvers   Ma	ssachusetts   01923   USA	

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

Applications: WB	Reactivity: H Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 29	Source/Isotype: Mouse IgG1	UniProt ID: #P61587	Entrez-Gene Id: 390		
Product Usage Information		pplication /estern Blotting			<b>Dilution</b> 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitivity		RhoE (4) Mouse mAb detects endogenous levels of total RhoE protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with full length recombinant human RhoE.						
Background Background Refer	adl fac cor and stre RC Se apo effe 2. F 3. F 3. F 4. F 5. F 5. F 5. F 7. F	hesion, proliferation ar tors (GEFs), which cat ivating proteins (GAPs mprise the evolutionari d therefore remain in a ess fibers and increase OCK1 (4). Activity of Rh r11, enhancing its acti- optosis (6) and cell cyo ects on both proliferation DerMardirossian, C. ar Foster, R. et al. (1996) Riento, K. et al. (2005) Riento, K. et al. (2005) Boswell, S.A. et al. (2007) E	ad differentiation talyze the excha- s), which catalyz ly divergent Rm a GTP-bound sta ed cell migration noE/Rnd3 itself i vity (5). RhoE/R cle arrest (7). In on and adhesion ad Bokoch, G.M <i>Mol Cell Biol</i> 16 <i>Biochem Soc</i> 7 <i>Mol Cell Biol</i> 22 <i>EMBO J</i> 24, 11 07) <i>J Biol Chen</i> <i>Exp Cell Res</i> 31	. (2005) Trends Cell Bic 5, 2689-99. Trans 33, 649-51. 3, 4219-29. 170-80. 1 282, 4850-8. 3, 719-31.	vated by guanine nucl GTP, and are inhibited to GDP (1). Rnd1, Rr all GTPases, which lau hoE/Rnd3 activity lead negulation of the Rho which phosphorylates d in inhibition of DNA- nd3 regulates different	eotide exchange by GTPase nd2 and RhoE/Rnd3 ck GTPase activity ls to a decrease in o-dependent kinase c RhoE/Rnd3 at damage induced		
	8. [	_iebig, T. et al. (2009)	Mol Biol Cell 20	, 452-63.				
Species Reactivity	<b>/</b> Spe	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buff	••			membrane with diluted th gentle shaking, overn		% w/v nonfat dry		
Applications Key	WE	3: Western Blotting						
Cross-Reactivity F	X: X	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>						
Trademarks and Patents	All c			of Cell Signaling Techno neir respective owners. V		demarks for more		
Limited Uses	follo cone	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.						

## RhoE (4) Mouse mAb (#3664) Datasheet Without Images Cell Signaling Technology

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.