e at -20C	ROCK2 (D1B1) Rabbit mAb			
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
60		Support	877-678-TECH (8324)	
#9029		Web:	info@cellsignal.com cellsignal.com	
#	3	Trask Lane Danver	s Massachusetts 01923 USA	

For Research Use Only. Not for Use in Diagnostic Procedures.	Applications	Boostivity	Concitivity								
	For Research Use Only. Not for Use in Diagnostic Procedures.										

Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 160	Source/Isotype: Rabbit IgG	UniProt ID: #O75116	Entrez-Gene Id: 9475	
Product Usage Information		plication estern Blotting munoprecipitation			Dilution 1:1000 1:50		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		ROCK2 (D1B1) Rabbit mAb recognizes endogenous levels of total ROCK2 protein.					
Species predicted to react based on 1009 sequence homology	6	nster, Dog					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human ROCK2 protein.					
Background	Rhc ider (ple ROC inhil leac pho	p-GTPase and plays ntified: ROCK1 and I ckstrin homology) d CK1 is cleaved by c bitory domain (3). R Is to phosphorylation sphorylation may ac	an important rol ROCK2. ROCK is omains. The C-te aspase-3 at a co OCK2 is directly n of myosin light count for the me	y of serine/threonine kin e in Rho-mediated signa s composed of N-termin erminus of ROCK negat nserved DETD1113/G s cleaved by granzyme B chain (MLC) and inhibit chanism by which Rho nd smooth muscle contr	aling. Two isoforms of al catalytic, coiled-coil vely regulates its kina equence resulting in lo (grB). Cleavage active on of myosin phospha regulates cytokinesis,	ROCK have been , and C-terminal PH se activity (1,2). oss of its C-terminal ates ROCK and ttase (4). This	
Background Refere	2. Lu 3. S 4. S 5. A 6. K) J. Cell. Biol. 16 005) J. Exp. Mec 001) Nat Cell Bic 06) J. Biol. Chem 97) J. Biol. Chem	7, 327-337. J. 201, 465-471. J. 3, 346-52. . 271, 20246-20249. J. 272, 12257-12260.			
Species Reactivity	Spec	cies reactivity is dete	ermined by testin	g in at least one approv	ed application (e.g., w	estern blot).	
Western Blot Buffer		DRTANT: For wester 5 Tween® 20 at 4°C		e membrane with diluted ing, overnight.	primary antibody in 5 ⁰	% w/v BSA, 1X TBS,	
Applications Key	WB	: Western Blotting IF	P: Immunoprecip	itation			
Cross-Reactivity Key		H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected					
Trademarks and Patents			nology is a trademark of Cell Signaling Technology, Inc. as are the property of their respective owners. Visit cellsignal.com/trademarks for more				

ROCK2 (D1B1) Rabbit mAb (#9029) Datasheet Without Images Cell Signaling Technology

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.