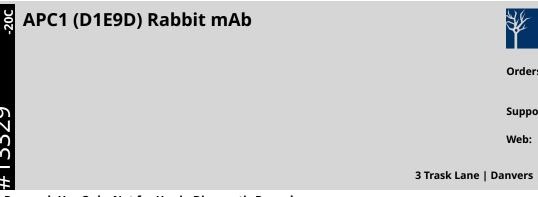
Store at

3329





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, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 216	Source/Isotype: Rabbit IgG	UniProt ID: #Q9H1A4	Entrez-Gene Id: 64682
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 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.				
Specificity/Sen	sitivity	APC1 (D1E9D) Rabbit mAb recognizes endogenous levels of total APC1 protein.				
Species predict based on 100% homology		Dog, Pig, Horse				
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human APC1 protein.				
Background		promoting complex/cy from metaphase to an substrate proteins in o vertebrate APC/C comp catalytic subunits (APC E3 enzymes, including enzymes. Research stu RING-finger domain-co including an APC/C coa Cdh1/FZR1. The CDC22 interaction with specifi The ubiquitously expre APC/C complex (10). Re	vclosome (APC/C), v aphase. The APC/C order to target thes plex consists of as .2, APC11), and a n APC/C, utilize ubic udies indicate that ontaining subunit / activator formed b J/Cdh1 coactivator ic D-box and KEN-t essed anaphase-pr esearch studies de	tly upon the E3 ubiquiti whose main function is t complex promotes the e proteins for degradati many as 15 subunits, ind umber of proteins respo uitin residues activated APC/C interacts with the APC11 (4-6). APC/C funct y the cell division contro is responsible for recog iox recognition element comoting complex subun monstrate that APC1 un mitotic phase of the eu	o trigger the transi assembly of polyuk on by the 26S prote cluding multiple sca nsible for substrate by E1 enzymes and E2 enzymes UBE2S ion relies on multip I protein 20 homolo nition of APC/C sub s within these subs it 1 (APC1) is the la dergoes extensive	tion of the cell cycle biquitin chains on easome (1,2). The affold proteins, two e recognition (3). All transferred to E2 5 and UBE2C via the ble cofactors, bg (CDC20) and istrates through trates (7-9). rgest subunit of the phosphorylation on
Background Re	eferences	1. Qiao, X. et al. (2010) 2. Harper, J.W. et al. (20 3. Chang, L. et al. (2014) 4. Carroll, C.W. and Mo 5. Gmachl, M. et al. (2006) 6. Leverson, J.D. et al. (2005) 8. Glotzer, M. et al. (1999) 9. Pfleger, C.M. and Kir 10. Jörgensen, P.M. et al. 11. Kraft, C. et al. (2005)	002) Genes Dev 16, 4) Nature 513, 388 9 organ, D.O. (2002) / 000) Proc Natl Acac 2000) Mol Biol Cel 9 Mol Cell 18, 543-5 91) Nature 349, 13 9 schner, M.W. (2000 al. (2001) Gene 262	2179-206. 93. <i>lat Cell Biol</i> 4, 880-7. <i>Sci U S A</i> 97, 8973-8. 11, 2315-25. 3. 2-8.) <i>Genes Dev</i> 14, 655-65. 51-9.		
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer			membrane with diluted with gentle shaking, ove		n 5% w/v nonfat
Applications K	ey	W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivit	ty Key	H: Human Mk: Monke	у			

Trademarks and Patents	Cell Signaling Technology is a 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 purpose, 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.