4090

#

APC11 (D1E7Q) Rabbit mAb



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 M R Mk	Sensitivity: Endogenous	MW (kDa): 10	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NYG5	Entrez-Gene Id: 51529
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
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/Sens	itivity	APC11 (D1E7Q) Rabbit mAb recognizes endogenous levels of total APC11 protein. This antibody does not cross-react with either RBX1 or RBX2.			is antibody does	
Source / Purifica	ation	Monoclonal antibody is protein.	s produced by imm	nunizing animals with a f	ull-length human ro	ecombinant APC11
Background		Eukaryotic cell prolifera promoting complex/cy from metaphase to and substrate proteins in o vertebrate APC/C comp catalytic subunits (APC E3 enzymes, including enzymes. Research stu RING-finger domain-cc including an APC/C coa Cdh1/FZR1. The CDC20 interaction with specifi Anaphase-promoting c series of non-tandem H primary amino acid lev which are the RING-H2 complex containing AP is critical for the APC/C	ation depends stric closome (APC/C), v aphase. The APC/C rder to target thes olex consists of as 2, APC11), and a n APC/C, utilize ubiq idies indicate that , ontaining subunit A activator formed by //Cdh1 coactivator c D-box and KEN-b complex subunit 11 His and Cys residue rel, APC11 displays 2 motif-containing s 2 C11 and the cullin t to catalyze ubiqui	tly upon the E3 ubiquitie whose main function is to complex promotes the e proteins for degradatie many as 15 subunits, incomplex umber of proteins respo- uitin residues activated APC/C interacts with the APC/I (4-6). APC/C function the cell division control is responsible for recogno tox recognition elements (APC11) harbors a RINC es responsible for the co- sequence similarity to R subunits of SCF ubiquitir -like subunit, APC2, form tin chain elongation (4,1	n ligase activity of the origger the transit assembly of polyub on by the 26S prote- cluding multiple sca- nsible for substrate- by E1 enzymes and E2 enzymes UBE2S for relies on multiple protein 20 homolo- nition of APC/C sub- s within these subst ordination of zinc c- ING-box proteins R n ligase complexes (as the catalytic core 1).	he anaphase ion of the cell cycle iquitin chains on asome (1,2). The ffold proteins, two recognition (3). All transferred to E2 and UBE2C via the le cofactors, g (CDC20) and strates through rrates (7-9). characterized by a ations. At the BX1 and RBX2, (10). A heterodimer of the APC/C and
Background Ref	erences	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. (20 6. Leverson, J.D. et al. (20 7. Kraft, C. et al. (2005) 8. Glotzer, M. et al. (199 9. Pfleger, C.M. and Kir: 10. Chan, A.H. et al. (2001	Cell Cycle 9, 3904- 02) Genes Dev 16, 1) Nature 513, 388- rgan, D.O. (2002) N 00) Proc Natl Acad 2000) Mol Biol Cell Mol Cell 18, 543-5: 21) Nature 349, 132 schner, M.W. (2000 001) J Cell Biochem) Mol Biol Cell 12, 5	12. 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. 83, 249-58. 3839-51.		
Species Reactivi	ty	Species reactivity is def	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bu	ıffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a	ern blots, incubate at 4°C with gentle s	membrane with diluted shaking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X
Applications Key	y	W: Western Blotting IP	: Immunoprecipita	ition		
Cross-Reactivity	v Key	H: Human M: Mouse R	: Rat Mk: Monkey			

Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.			
	SignalSilence 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 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.			