APC2 Antibody		CHNOLOGY®
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
301	Support:	877-678-TECH (8324)
#12301	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane   Danvers   Ma	ssachusetts   01923   USA

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

	<b>Reactivity:</b> H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 100	Source: Rabbit	UniProt ID: #Q9UJX6	Entrez-Gene Id: 29882
Product Usage Information	Wes	<b>Dlication</b> stern Blotting nunoprecipitation			<b>Dilution</b> 1:1000 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensitiv	vity APC	2 Antibody recogniz	es endogenous lev	vels of total APC2 p	rotein.	
Species predicted to react based on 100% sequence homology	6	ster, Bovine, Dog, C	Guinea Pig			
Source / Purification	resid		• •	-	h a synthetic peptide cor es are purified by proteir	
Background	anap cell c of po prote APC, enzy RINC asso in the (6), c Anap with of the the A cullin	hase promoting cor cycle from metaphas olyubiquitin chains o easome (1,2). In hur /C utilizes ubiquitin mes. Indeed, APC/C G-finger domain-con ciation with multiple e recognition of APC called D-boxes (7) a ohase-promoting con a RING-H2 finger pl e APC/C. The APC2 APC/C to catalyze su	nplex/cyclosome (, se to anaphase. Af n substrate protein nans, twelve different residues that have C has been shown taining subunit, AF cofactors. For exa C/C substrates by in nd KEN-boxes (8). mplex subunit 2 (A rotein related to Ra 2/11 subcomplex re- ubstrate ubiquitination I ubiquitin ligases.	APC/C), whose mai PC/C performs its va s, which targets the ent APC/C subunits been activated by B to interact with UBE PC11 (3-5). APC/C a imple, the related po- nteracting with spec PC2) is a distant mo interacting content interacting with spec PC2) is a distant mo interacting with spec PC2) is a distant mo interacting content interacting con	e ubiquitin ligase (E3) ac n function is to trigger the arious functions by promo- se proteins for degradati have been identified. Lik E1 enzymes and then tra E2S and UBE2C E2 enzy activity is also strictly dep roteins, Cdc20 and Cdh1 ific recognition elements ember of the cullin family d APC11, to form the cat such as UBE2C/UBCH10 APC is a member of the portance of APC2 was un ity (12).	e transition of the bting the assembly on by the 26S the all E3 enzymes, insferred to E2 mes, in part, via the endent upon its /FZR1, participate in these substrates (9,10) that interacts talytic subcomplex 0 and is required for expanding family of
Background Referer	2. Ha 3. Ca 4. Gr 5. Le 6. Kr 7. Gl 8. Pfl 9. Za 10. Yu 11. Ta	ao, X. et al. (2010) ( arper, J.W. et al. (20 arroll, C.W. and Morr nachl, M. et al. (200 verson, J.D. et al. (2005) otzer, M. et al. (2005) otzer, M. et al. (199) leger, C.M. and Kirs ichariae, W. et al. (1 i, H. et al. (1998) <i>Sc</i> ng, Z. et al. (2001) <i>I</i> irth, K.G. et al. (2004)	02) Genes Dev 16 gan, D.O. (2002) N 10) Proc Natl Acad 2000) Mol Biol Cell Mol Cell 18, 543-53 1) Nature 349, 132 chner, M.W. (2000 998) Science 279, ience 279, 1219-2 Mol Biol Cell 12, 38	, 2179-206. lat Cell Biol 4, 880-7 Sci U S A 97, 8973- 11, 2315-25. 3. -8. ) Genes Dev 14, 65 1216-9. 2. 339-51.	-8.	

1/1/24, 6:47 AM	APC2 Antibody (#12301) Datasheet Without Images Cell Signaling Technology
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
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
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