

APC1 (D1E9D) Rabbit mAb



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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/Sensitivity		APC1 (D1E9D) Rabbit mAb recognizes endogenous levels of total APC1 protein.				
Species predicted to react based on 100% sequence homology		Dog, Pig, Horse				
Source / Purification		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 a vertebrate APC/C com catalytic subunits (APC E3 enzymes, including enzymes. Research str RING-finger domain-cy including an APC/C co Cdh1/FZR1. The CDC2 interaction with specif The ubiquitously expr APC/C complex (10). R	yclosome (APC/C), veraphase. The APC/Corder to target these plex consists of as plex consists of as plex consists of as plex containing subunit please activator formed be one of the containing subunit please of the containing subun	ctly upon the E3 ubiquities whose main function is to complex promotes the e proteins for degradation as 15 subunits, incumber of proteins responsition residues activated APC/C interacts with the APC/1 (4-6). APC/C functey the cell division controlis responsible for recognox recognition element omoting complex suburmonstrate that APC1 unite the cell controlis is the euternation of the euternation of the enternation of the enter	o trigger the transi assembly of polyul on by the 26S prote cluding multiple sca onsible for substrate by E1 enzymes and E2 enzymes UBE2S ion relies on multip I protein 20 homolo nition of APC/C subs s within these subs hit 1 (APC1) is the la dergoes extensive	tion of the cell cycle oriquitin chains on easome (1,2). The affold proteins, two erecognition (3). All transferred to E2 and UBE2C via the ole cofactors, og (CDC20) and estrates through trates (7-9).
Background References		 Qiao, X. et al. (2010) Cell Cycle 9, 3904-12. Harper, J.W. et al. (2002) Genes Dev 16, 2179-206. Chang, L. et al. (2014) Nature 513, 388-93. Carroll, C.W. and Morgan, D.O. (2002) Nat Cell Biol 4, 880-7. Gmachl, M. et al. (2000) Proc Natl Acad Sci U S A 97, 8973-8. Leverson, J.D. et al. (2000) Mol Biol Cell 11, 2315-25. Kraft, C. et al. (2005) Mol Cell 18, 543-53. Glotzer, M. et al. (1991) Nature 349, 132-8. Pfleger, C.M. and Kirschner, M.W. (2000) Genes Dev 14, 655-65. Jörgensen, P.M. et al. (2001) Gene 262, 51-9. Kraft, C. et al. (2003) EMBO J 22, 6598-609. 				

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

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human Mk: Monkey

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