

Store at
-20C
#10450**CUL3 (E4G3M) Rabbit mAb**

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	82, 84	Rabbit IgG	#Q13618	8452
Product Usage Information	Application					Dilution
	Western Blotting					1:1000
	Immunoprecipitation					1:50
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. <i>Do not aliquot the antibody.</i>					
Specificity/Sensitivity	CUL3 (E4G3M) Rabbit mAb recognizes endogenous levels of total CUL3 protein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala755 of human CUL3 protein.					
Background	CUL3 (Cullin-3) is a member of the cullin-based ubiquitin ligase family. By interacting with Hrt1 and BTB domain containing proteins, the complex functions as a CUL3-based E3 ligase to bring specific substrates to ubiquitinylation and degradation (1). The CUL3 complex has been shown to target many substrates involved in cell cycle progression (2), transcription (3), development and differentiation (4,5).					
Background References	<ol style="list-style-type: none"> 1. Pintard, L. et al. (2004) <i>EMBO J.</i> 23, 1681-1687. 2. Singer, J.D. et al. (1999) <i>Genes Dev.</i> 13, 2375-2387. 3. Furukawa, M. and Xiong, Y. (2005) <i>Mol Cell Biol</i> 25, 162-171. 4. Zhu, S. et al. (2005) <i>J. Neurosci.</i> 25, 4189-4197. 5. Ou, C.Y. et al. (2002) <i>Genes Dev.</i> 16, 2403-2414. 					

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 BSA, 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 M: Mouse R: Rat Mk: Monkey
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