## UBE2T (D2L7H) Rabbit mAb





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Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 25	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q9NPD8	Entrez-Gene Id: 29089	
Product Usage Information	•	<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 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. Do not aliquot the antibody.					
Specificity/Sen	sitivity	UBE2T (D2L7H) Rabbit mAb recognizes endogenous levels of total UBE2T protein.					
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His150 of human UBE2T protein.					
Background		Protein ubiquitination requires the concerted action of the E1, E2, and E3 ubiquitin-conjugating enzymes. Ubiquitin is first activated through ATP-dependent formation of a thiol ester with ubiquitin- activating enzyme E1. The activated ubiquitin is then transferred to a thiol group of ubiquitin-carrier enzyme E2. The final step is the transfer of ubiquitin from E2 to an $\varepsilon$ -amino group of the target protein lysine residue, which is mediated by ubiquitin-ligase enzyme E3 (1).					
		ubiquitin tagging of ta important role in the F repair through this pat monoubiquitination, le pathway (2-4). Additior	rget proteins for d anconi anemia pat thway. Interaction eading to UBE2T in nal research details	) is an E2 family membe egradation. Research str hway and that UBE2T ex between UBE2T and FAN activation and negative s upregulation of UBE2T ossible involvement in th	udies indicate that L opression is required ICL appears to stim regulation of the Fa expression in breas	JBE2T plays an d for normal DNA ulate UBE2T auto nconi anemia t cancer cells and	
Background R	eferences	1. Hershko, A. (1988) <i>J</i> 2. Machida, Y.J. et al. (2 3. Ramaekers, C.H. et a 4. Zhang, Y. et al. (2007 5. Ueki, T. et al. (2009) 6. Hao, J. et al. (2008) 7	2006) <i>Mol Cell</i> 23, 5 al. (2011) <i>Radiothe</i> 7) <i>J Genet Genomic</i> <i>Cancer Res</i> 69, 875	89-96. r <i>Oncol</i> 101, 190-7. s 34, 573-80. s2-60.			
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	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 K	ey	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivi	ty Key	H: Human					
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