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UBE2T (D2L7H) Rabbit mAb



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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NPD8	Entrez-Gene Id: 29089		
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 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/Sens	itivity	UBE2T (D2L7H) Rabbit mAb recognizes endogenous levels of total UBE2T protein.						
Source / Purifica	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His150 of human UBE2T protein.						
Background	round 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 ubiq activating enzyme E1. The activated ubiquitin is then transferred to a thiol group of ubiquitin-ca enzyme E2. The final step is the transfer of ubiquitin from E2 to an ε -amino group of the target p lysine residue, which is mediated by ubiquitin-ligase enzyme E3 (1).							
Ubiquitin conjugating-enzyme 2T (UBE2T) is an E2 family member responsible for t ubiquitin tagging of target proteins for degradation. Research studies indicate that important role in the Fanconi anemia pathway and that UBE2T expression is requir repair through this pathway. Interaction between UBE2T and FANCL appears to stir monoubiquitination, leading to UBE2T inactivation and negative regulation of the F pathway (2-4). Additional research details upregulation of UBE2T expression in brea certain lung carcinomas, suggesting a possible involvement in these malignancies						ATP-dependent JBE2T plays an for normal DNA ulate UBE2T auto nconi anemia t cancer cells and 5,6).		
Background Ref	Seground References 1. Hershko, A. (1988) J Biol Chem 263, 15237-40. 2. Machida, Y.J. et al. (2006) Mol Cell 23, 589-96. 3. Ramaekers, C.H. et al. (2011) Radiother Oncol 101, 190-7. 4. Zhang, Y. et al. (2007) J Genet Genomics 34, 573-80. 5. Ueki, T. et al. (2009) Cancer Res 69, 8752-60. 6. Hao, J. et al. (2008) Tumour Biol 29, 195-203.							
Species Reactivi	ty	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bı	ıffer	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 Ke	y	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity	v Key	H: Human						
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