## 4919

## **UBE2N/Ubc13 Antibody**



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

Applications: W	Reactivity: H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 16	<b>Source/Isotype:</b> Rabbit	UniProt ID: #P61088	Entrez-Gene Id 7334
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
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/Sensitivity		UBE2N/Ubc13 Antibody detects endogenous levels of UBE2N/Ubc13 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ile10 of human UBE2N/Ubc13 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		and fate (1). Ubiquitir forms. There are seve poly-Ub chain format ranging from alteraticonjugating enzyme heterodimer with MN heterodimers catalyz pathways (3-5) includ (6-10), immunorecepplay an important rol of IKK downstream o	n (Ub) can be conjugeral different lysine lation. Different poly-lons in protein funct that catalyzes K63-lin MS2 or Uev1A to exele different modes oling: DNA damage a tor signaling (11,12) le in inflammatory sf the IL-1β receptor	esttranslational modifical lated to target proteins residues within Ub that of the linkages mediate difficion to degradation (2). Unked poly-Ub chain format its E2 ligase function. If target protein ubiquiting recombination, p53 and endocytosis (13). If ignaling by promoting k (14). Furthermore, interpay an important role in maresidues.	in either monomerican be used as conjected a	ic or polymeric jugation sites for he target protein biquitin-E2-forms a and UBE2N/Uev1A various signaling atrol, the cell cycle N was shown to ation and activation
Background References		1. Herrmann, J. et al. (2007) <i>Circ Res</i> 100, 1276-91. 2. Wilkinson, K.D. et al. (2005) <i>EMBO Rep</i> 6, 815-20. 3. Hofmann, R.M. and Pickart, C.M. (1999) <i>Cell</i> 96, 645-53. 4. Deng, L. et al. (2000) <i>Cell</i> 103, 351-61. 5. Andersen, P.L. et al. (2005) <i>J Cell Biol</i> 170, 745-55. 6. Zhao, G.Y. et al. (2007) <i>Mol Cell</i> 25, 663-75. 7. Kolas, N.K. et al. (2007) <i>Science</i> 318, 1637-40. 8. Laine, A. et al. (2006) <i>Mol Cell Biol</i> 26, 8901-13. 9. Huen, M.S. et al. (2008) <i>Cell Cycle</i> 7, 96-105. 11. Yamamoto, M. et al. (2008) <i>Cell Cycle</i> 7, 96-105. 12. Yamamoto, M. et al. (2006) <i>J Immunol</i> 177, 7520-4. 13. Duncan, L.M. et al. (2006) <i>EMBO J</i> 25, 1635-45. 14. Xu, M. et al. (2009) <i>Mol Cell</i> 36, 302-14. 15. Marteijn, J.A. et al. (2009) <i>Leukemia</i> 23, 1480-9.				

**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

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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