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UBE2L3 Antibody


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Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 17	Source: Rabbit	UniProt ID: #P68036	Entrez-Gene Id: 7332
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	UBE2L3 Antibody detects endogenous levels of total UBE2L3 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys145 of human UBE2L3 protein. Antibodies are purified by peptide affinity chromatography.	
Background	<p>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 ε-amino group of the target protein lysine residue, which is mediated by ubiquitin-ligase enzyme E3 (1).</p> <p>UBCH7 (also called UBE2L3) is an 17 kDa ubiquitin-conjugating enzyme E2 (3). It can interact with different E3 ligase including E6-AP, SRC-1, c-Cbl, parkin and mediates regulation of a wide variety signaling pathways and is associated with diseases such as Parkinson's disease (4-7).</p>	
Background References	<ol style="list-style-type: none"> 1. Herskho, A. (1988) <i>J Biol Chem</i> 263, 15237-40. 2. Rajendra, R. et al. (2004) <i>J. Biol. Chem.</i> 279, 36440-36444. 3. Nuber, U. et al. (1996) <i>J. Biol. Chem.</i> 271, 2795-2800. 4. Verma, S. et al. (2004) <i>Mol. Cell Biol.</i> 24, 8716-8726. 5. Garside, H. et al. (2006) <i>J. Endocrinol.</i> 190, 621-629. 6. Shimura, H. et al. (2001) <i>Science</i> 293, 263-269. 7. Simmons, A. et al. (2005) <i>Immunity</i> 23, 621-634. 	

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	WB: Western Blotting
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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