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SUPPLEMENTARY ONLINE DATA The CUL3–KLHL3 E3 ligase complex mutated in Gordon's hypertension syndrome interacts with and ubiquitylates WNK isoforms: disease-causing mutations in KLHL3 and WNK4 disrupt interaction

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See the following page for Supplementary Figure S1.

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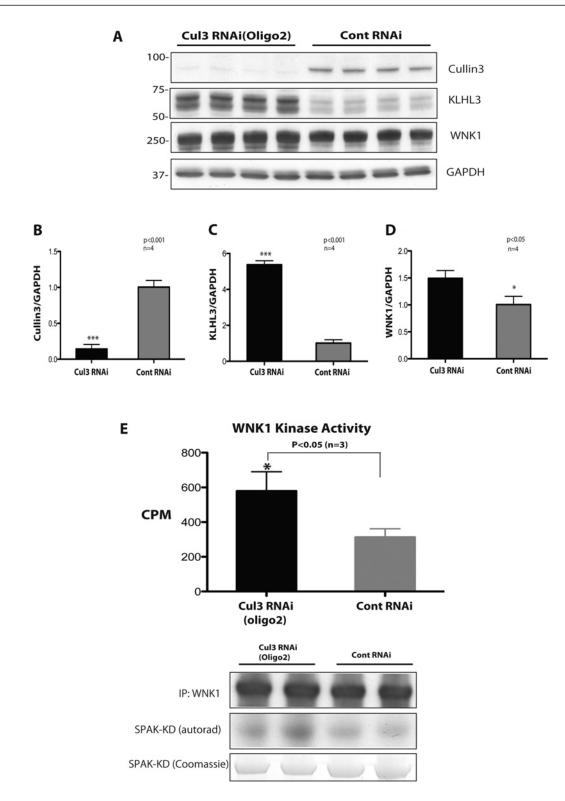


Figure S1 Further evidence that CUL3 knockdown enhances WNK1 expression and activity

HeLa cells were treated with 50 nM scrambled siRNA or CUL3-directed siRNA (probe 2) for 5 days and the cells were lysed. (A) Cell lysates were subjected to immunoblotting with the indicated antibody. Each lane contains cell extract from an independent experiment. Molecular masses are shown on the left-hand side in kDa. (B–D) Quantitative LICOR immunoblot analysis was undertaken and the ratio of CUL3 (B), KLHL3 (C) and WNK1 (D) to GAPDH was quantified. Results are means ±S.D. Cont, control; IP, immunoprecipitation; KD, kinase-dead; RNAi, RNA interference.

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