

**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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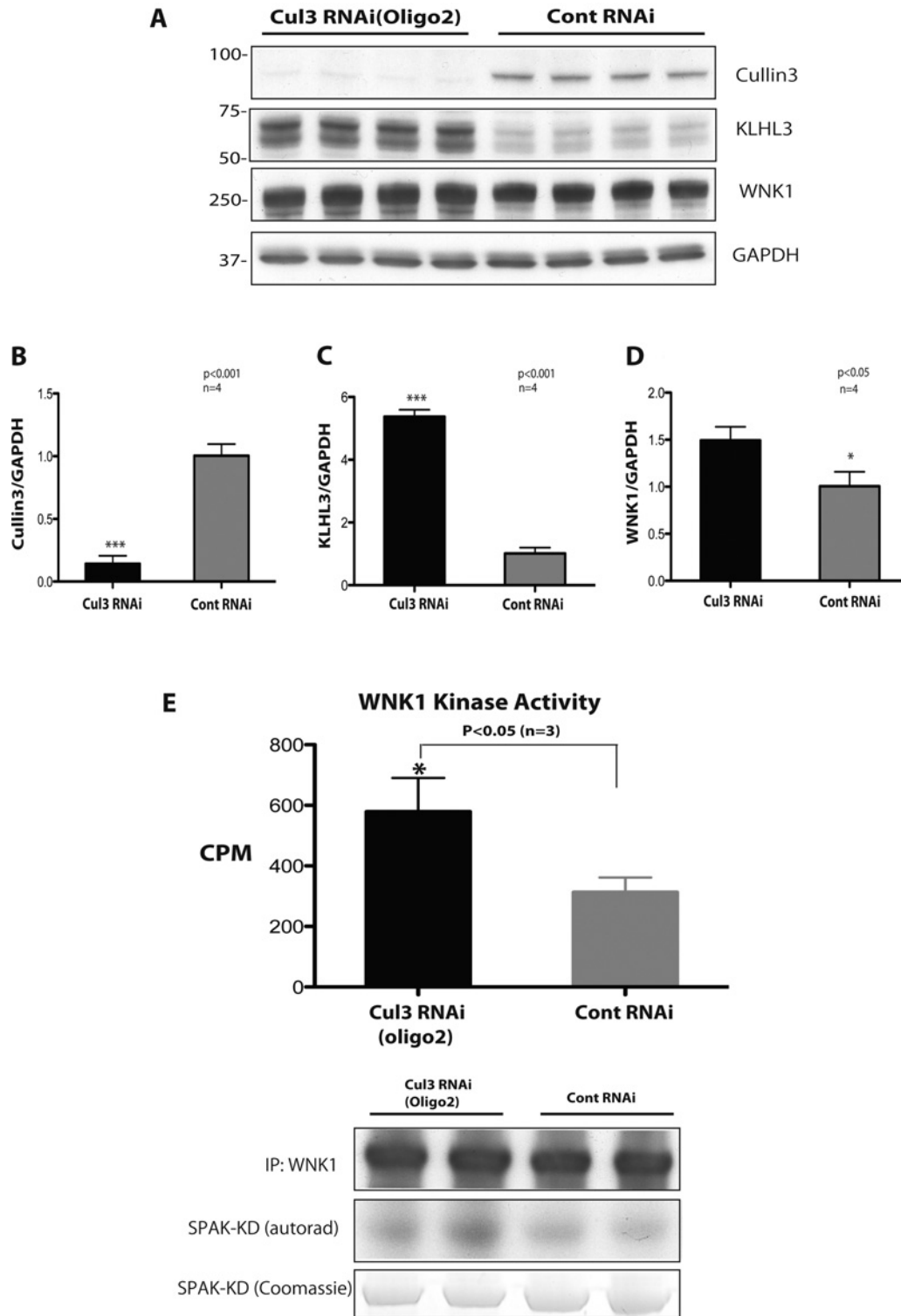


Figure S1 Further evidence that CUL3 knockdown enhances WNK1 expression and activity

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 \pm S.D. Cont, control; IP, immunoprecipitation; KD, kinase-dead; RNAi, RNA interference.

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