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SUPPLEMENTARY ONLINE DATA

Enhancement of mDia2 activity by Rho-kinase-dependent phosphorylation of the diaphanous autoregulatory domain

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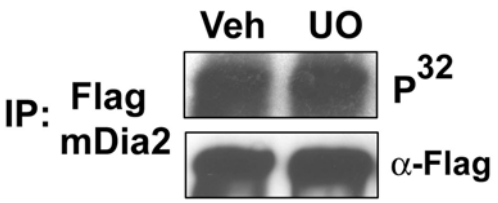

Figure S1 mDia2 is not phosphorylated by MAPK

Cos-7 cells were transfected with full-length FLAG–mDia2. Cells were pre-treated with the MAPK inhibitor UO-126 (UO) or vehicle (Veh) and then labelled with [^{32}P]P_i for 2 h. mDia2 immunoprecipitants were run on an SDS/PAGE gel and analysed by autoradiography and Western blotting.

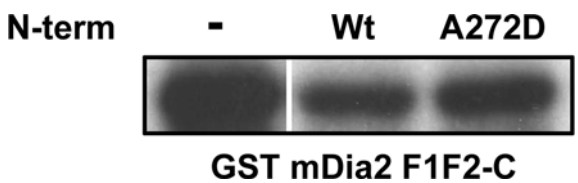

Figure S2 The auto-inhibitory interaction attenuates mDia2 phosphorylation

GST–mDia2 FH1FH2-C ± the indicated mDia2 N-terminal fragment was incubated *in vitro* with constitutively active ROCKΔ3 and 10 μCi of [γ-^{32}P]ATP. After removing unincorporated ^{32}P, reactions were run on an SDS/PAGE gel and exposed to film. Wt, wild-type.

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