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Supplementary material

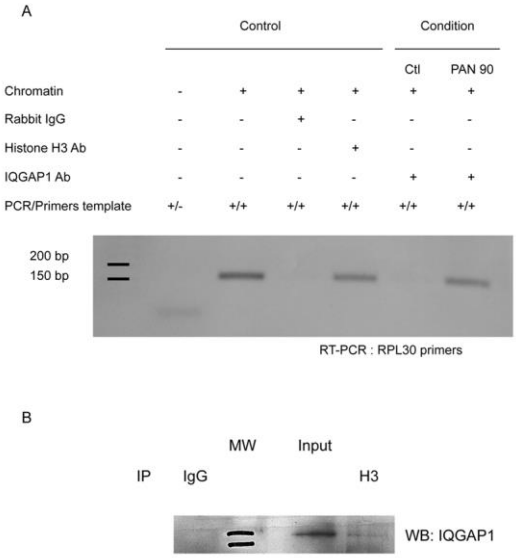

Figure S1

IQGAP1 expression in total cell extracts

A. Western blot analysis of IQGAP1 and β-actin expression on total cell extracts (n=8) at different times of exposure to PAN.

B. IQGAP1 expression determined by densitometry at each condition. No difference was detected (Repeated measures ANOVA).

IQGAP1 mRNA expression in PAN treated podocytes.

C. IQGAP1 mRNA expression was evaluated by quantitative polymerase chain reaction, using as housekeeper gene β-actin. The IQGAP1 values for each condition: control, PAN 60 and PAN 90 were plotted to β-actin values. No difference of IQGAP1 mRNA expression was observed (n=4, Friedman test).

D. Quantification of the expression of podocyte proteins on total cell extracts was quantified with the Biorad® software. No difference was detected (n=5, Wilcoxon's test).

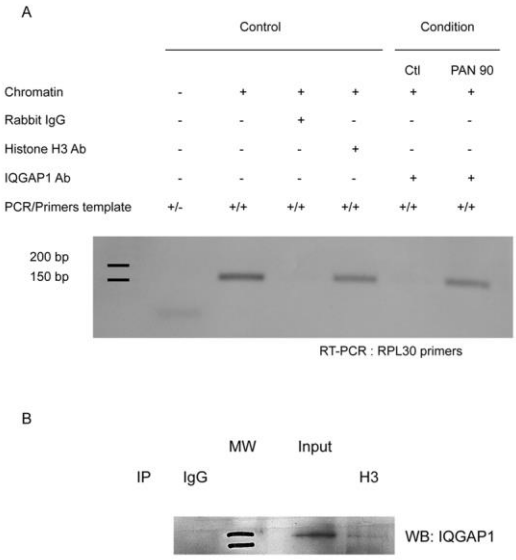

Figure S2

Additional Western blots

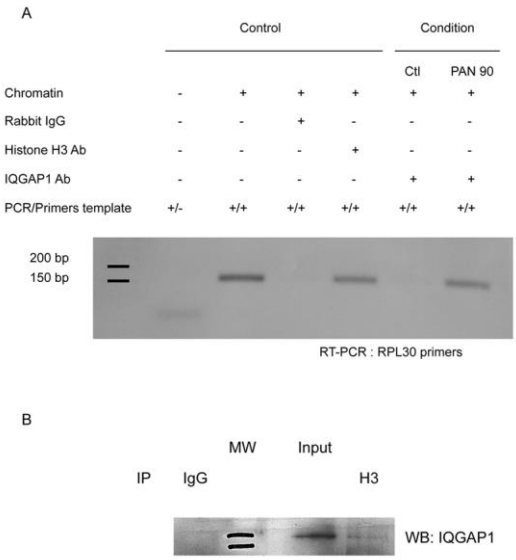

Figure S3

Interaction of ERK and P-ERK with IQGAP1 on total cell extracts

IQGAP1 co-immunoprecipitations with ERK and P-ERK were performed on total extracts. Protein A/G agarose beads (Prot A/G) were used as negative control. Control: untreated podocytes, PAN 90: podocytes exposed 90 min to PAN (n=5).

Interaction between IQGAP1 and nuclear P-ERK increased significantly and was confirmed by densitometry data (n=5, ✶ $p<0.05$, Paired t-test).

Figure S4

Podocyte proliferation assay was performed with control cells (untransfected and lipofectamine or Luc siRNA transfected podocytes) in comparison with siRNA IQGAP1 transfected. Control and transfected cells were treated with PAN. Control: Control podocytes, siRNA: siRNA IQGAP1 transfected podocytes (n=5).