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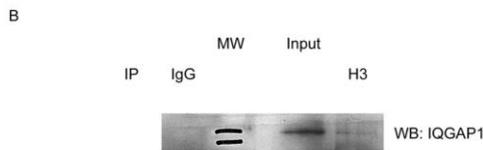
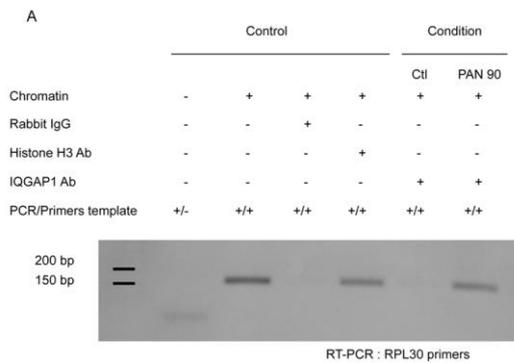
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1 Supplementary material



2

3 Figure S1

4 IQGAP1 expression in total cell extracts

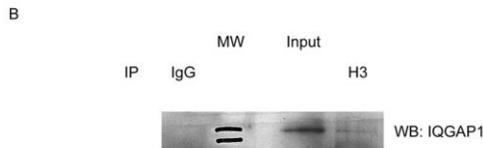
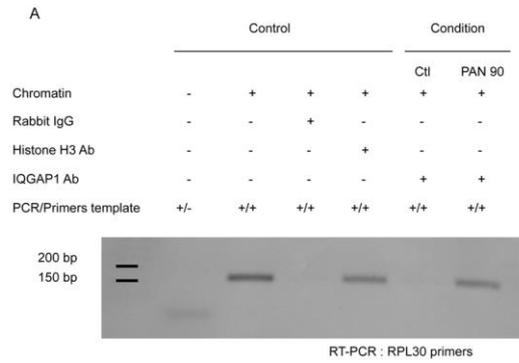
5 A. Western blot analysis of IQGAP1 and β -actin expression on total cell extracts (n=8) at
6 different times of exposure to PAN.

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

9 IQGAP1 mRNA expression in PAN treated podocytes.

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

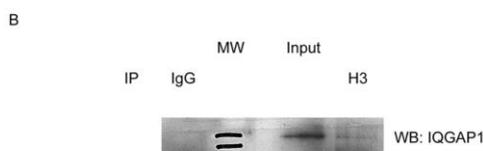
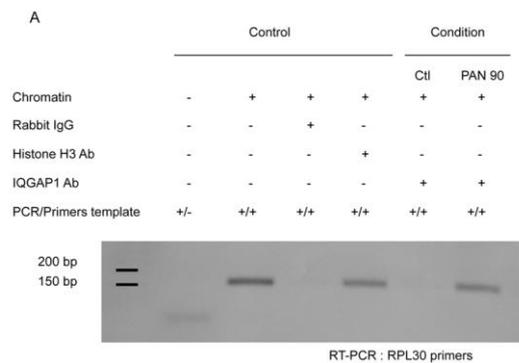
14 D. Quantification of the expression of podocyte proteins on total cell extracts was quantified
15 with the Biorad[®] software. No difference was detected (n=5, Wilcoxon's test).



16

17 Figure S2

18 Additional Western blots



19

20 Figure S3

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

22 IQGAP1 co-immunoprecipitations with ERK and P-ERK were performed on total extracts.

23 Protein A/G agarose beads (Prot A/G) were used as negative control. Control: untreated
 24 podocytes, PAN 90: podocytes exposed 90 min to PAN (n=5).

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

27

28 **Figure S4**

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