

On-line supplementary materials

P68 RNA Helicase Facilitates Breast Cancer Progression by Promoting Proliferation and Migration via PDGFR- β /AR Axis.

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Supplementary Figure S1. (A) Expression of PDGFR- β (IB:PDGFR- β) in indicated breast cancer cell lines was analyzed by immunoblot. β -actin (IB: β -actin) is the loading control. **(B)** Representative images of phase contrast microscopy of PDGF-BB stimulated MDAMB231 cells upon indicated conditions.

Supplementary Figure S2. Relative mRNA expression of c-FOS, a PDGFR- β responsive gene in MDAMB231 and BT549 cells stimulated with PDGF-BB upon p68 knockdown. Error bars represent mean \pm S.E.M. ****** P <0.01, ******* P <0.001 by unpaired Student's t-test.

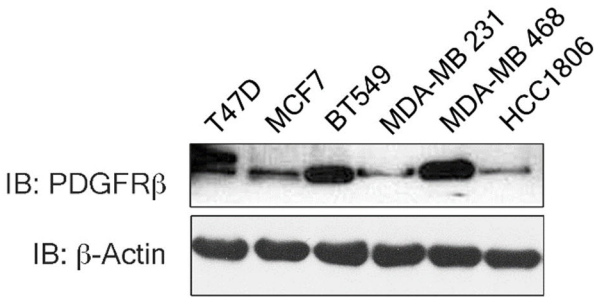
Supplementary Figure S3. (A) Quantitative analyses of migrating MDAMB231 cells in the scratched areas upon indicated conditions. The results represent findings of three independent experiments. **(B)** Immunoblot analyses of EMT markers such as E-Cadherin, Snail, and Vimentin in PDGF-BB stimulated MDAMB231 and BT549 cells upon indicated conditions. Knockdown efficiency of p68, PDGFR- β , and PDGFR- β overexpression was analyzed by immunoblot of p68 and PDGFR- β .

(C) Immunoblot analysis of AR and PDGFR- β in PDGF-BB stimulated MDAMB231 and BT549 cells upon PDGFR- β knockdown. Knockdown efficiency was analyzed by immunoblot. In A and C, immunoblot of β -actin (IB: β -actin) is a loading control. Error bars represent mean \pm S.E.M. ** P <0.01, **** P <0.0001, ns denotes non-significant by unpaired Student's t-test.

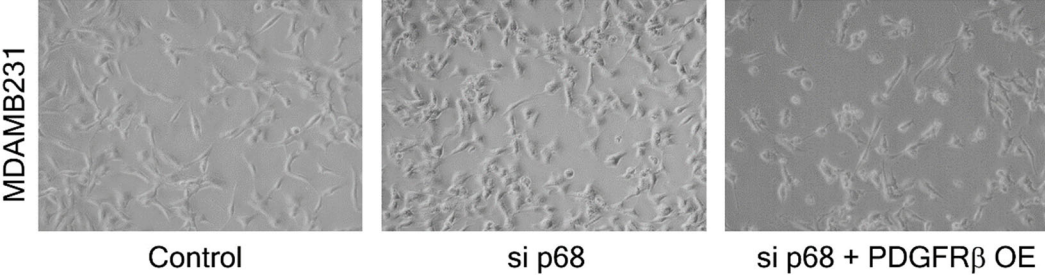
Supplementary Figure S4. Representative images of immunofluorescence staining of PDGFR- β (red) in MDAMB231 cells stimulated with PDGF-BB upon p68 knockdown compared with the control. Nuclei were stained with DAPI (blue).

Supplementary Figure S1

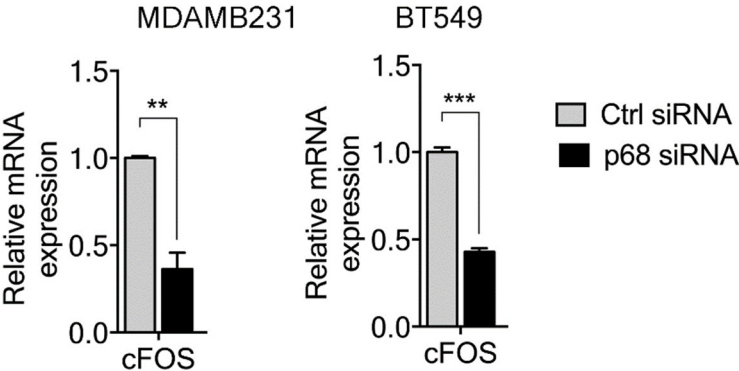
A



B

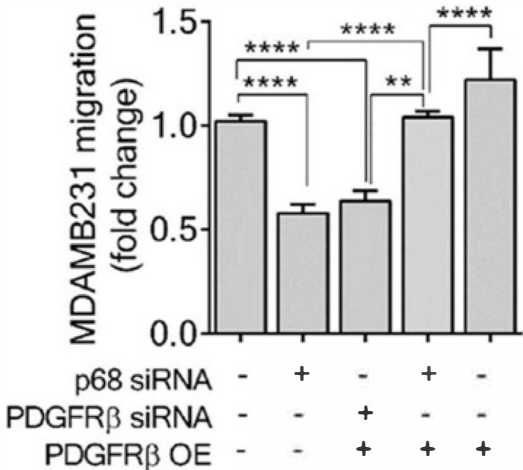


Supplementary Figure S2

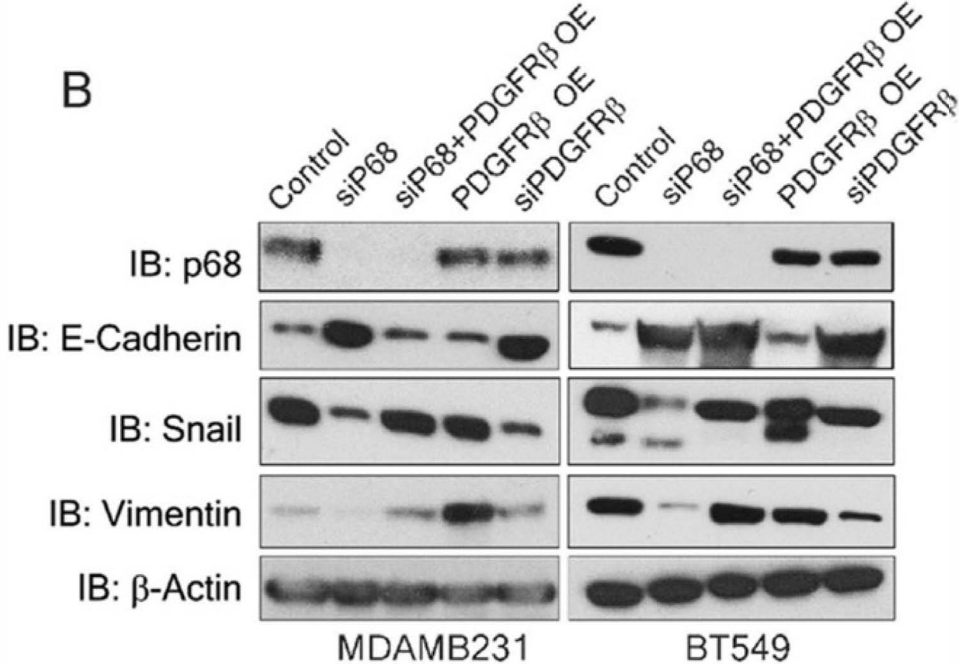


Supplementary Figure S3

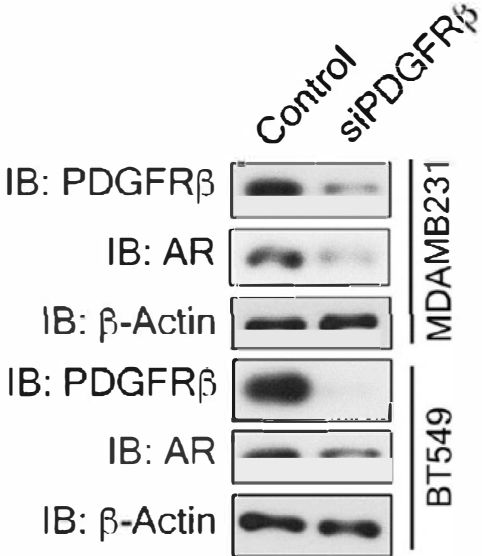
A



B



C



Supplementary Figure S4

