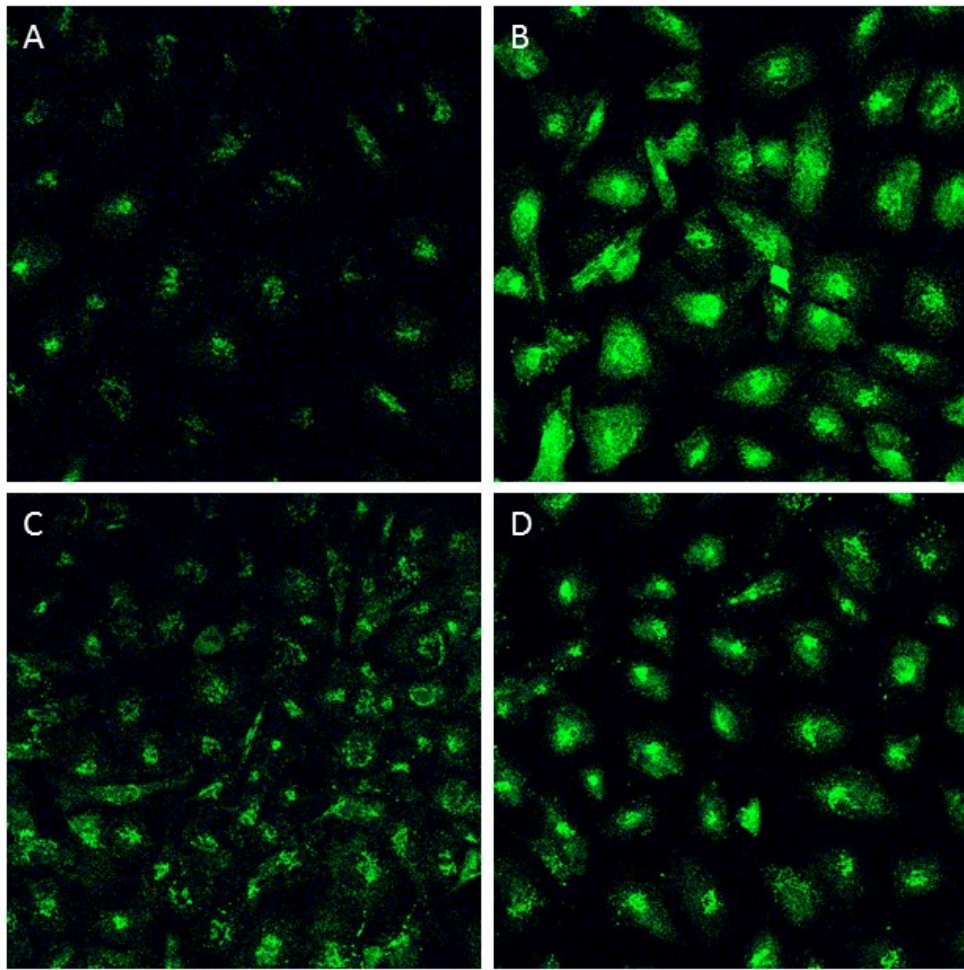


**Inhibin-A and Decorin Secreted by Human Adult Renal Stem/Progenitor Cells  
Through the TLR2 Engagement Induce Renal Tubular Cell Regeneration**

**AUTHORS**

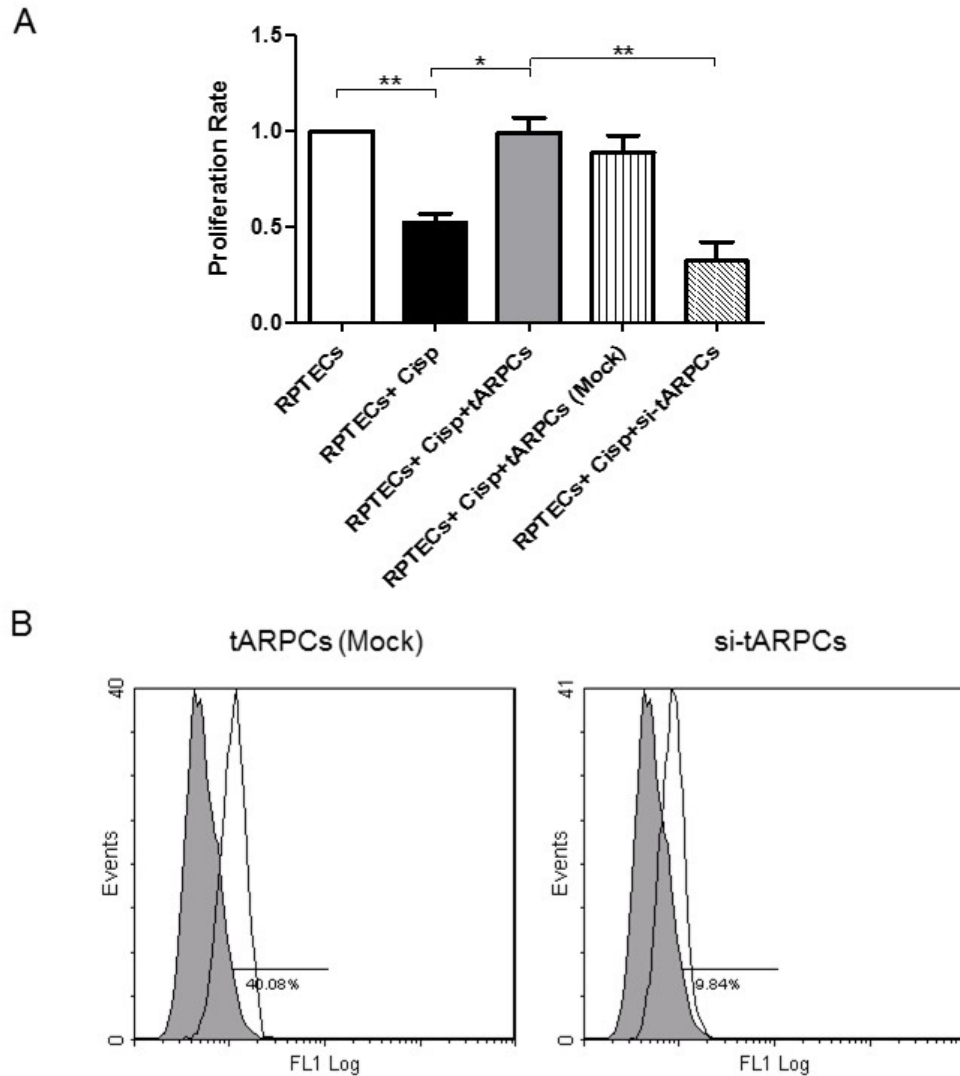
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**Supplementary Information**



**Figure S1. tARPCs can abrogate cisplatin-induced apoptosis of RPTECs.**

Immunofluorescence stainings show that the cleaved-caspase 3 expression on cisplatin-damaged RPTECs significantly increased (B) compared to untreated cells (A) after one day of cell culture. Instead, when the RPTECs were co-cultured with tARPCs, the cleaved-caspase 3 was less expressed (C). Panel D represents a positive control of cleaved-caspase 3 reaction on RPTECs treated with H<sub>2</sub>O<sub>2</sub>. Magnification 630x.



**Figure S2. The TLR2 is responsible for tubular cell regeneration.**

A) A significant inhibition of the recovery process was found when tARPCs were silenced with small interfering RNA for the TLR2 and co-cultured with cisplatin-damaged RPTECs compared to non-silenced tARPCs. The abrogation of the functional effect was observed when TLR2 expression inhibition was approximately 40% or higher. RPTECs without cisplatin were used as control. The mock-transfection control was obtained when cells underwent the cell transfection procedure without adding siRNA.  $* = \leq 0.05$ ,  $** = \leq 0.005$ . B) Efficiency of TLR2 silencing was evaluated by FACS analysis. ARPCs expressing the TLR2 decreased from 40% to 10% after silencing, showing that the efficiency was about 75%.