



[VR-01LB-00, VR-01LB-01](#)

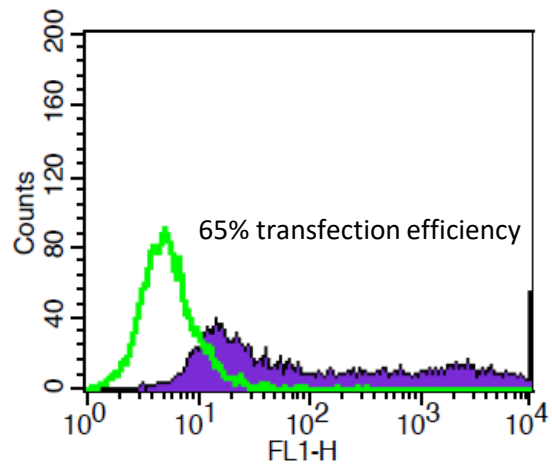
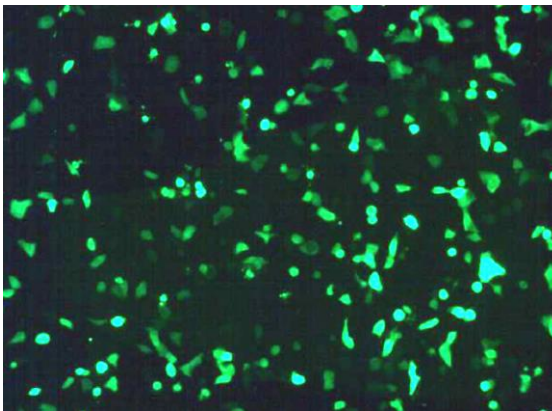


Fig. 1: Overexpression of GFP in primary human keratinocytes after plasmid (pE-YFP-N1) transfection with Viomer[®] RED

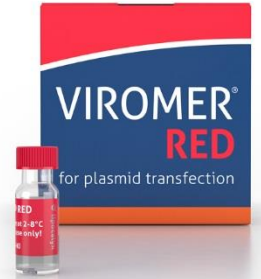
- Standard protocol for adherent cells in 6-well plate (seeding: 200,000 cells/well)
- Change of medium before transfection
- Read-out FACS and microscopy: 24h post-transfection

Data from M. Podgórska & S. Smola, University Hospital Homburg/Saar (Germany)

Publications

Mouse primary keratinocytes in co-culture with melanocytes >> influence of keratinocytes in the microenvironment of melanocytes during melanoma genesis

[Mescher M et al. 2017](#) - "The epidermal polarity protein Par3 is a non-cell autonomous suppressor of malignant melanoma." *Journal of Experimental Medicine*: jem-20160596.



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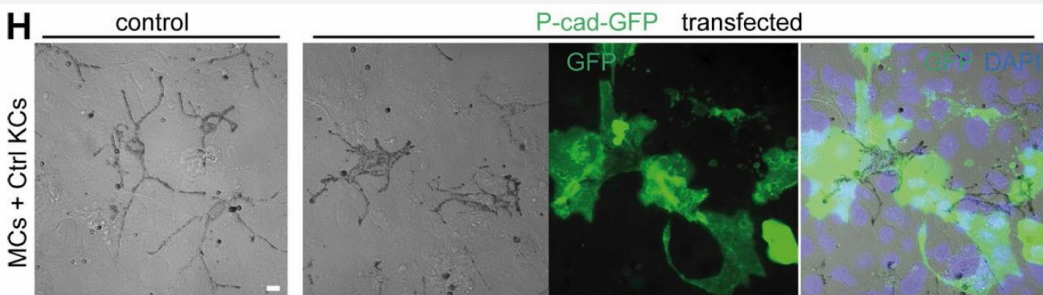
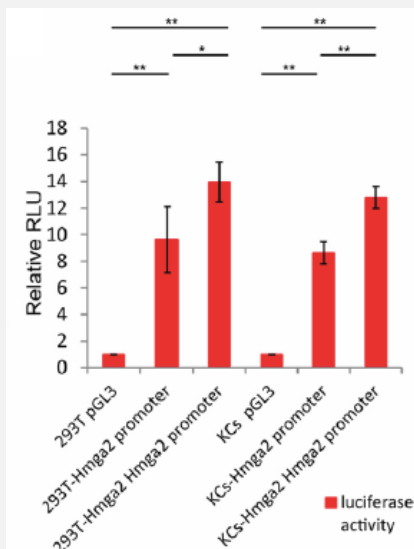


Fig 6H: Co-culture of MCs with control- or P-cadherin-GFP-transfected control KCs

Mouse primary keratinocytes in skin cancers

[Li, Y et al. 2017](#) "Hmga2 translocation induced in skin tumorigenesis." *Oncotarget* 8.18: 30019.



Human keratinocytes from neonatal foreskin >> functional studies

[McCormack JJ et al. 2017](#) - "The scaffold protein Ajuba suppresses CdGAP activity in epithelia to maintain stable cell-cell contacts." *nature.com/scientific reports* (7:9249) DOI:10.1038/s41598-017-09024-4

[Erasmus JC et al. 2016](#) - "Defining functional interactions during biogenesis of epithelial junctions." *Nature communications* (7:13542) DOI:10.1038/ncomms13542

Mouse primary keratinocytes in skin cancers >> shRNA-mediated KD of ROCK1 gene

[Li, Y et al. 2017](#) "Hmga2 translocation induced in skin tumorigenesis." *Oncotarget* 8.18: 30019.



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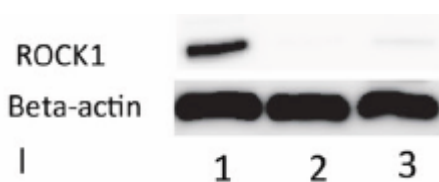
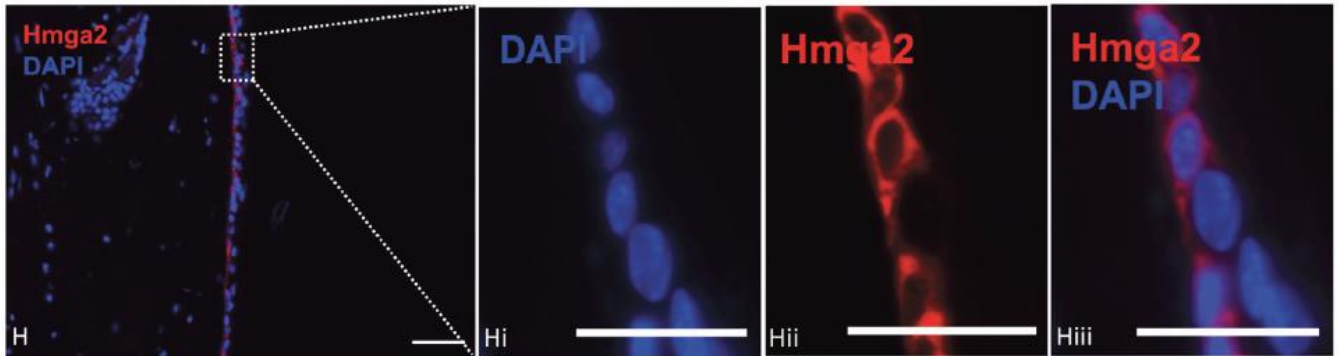


Figure 3: The inhibition of Hmga2 translocation is through ROCKs.

(H and I) Hmga2 expression in the KCs with mock and ROCK1 knock-down.
Nuclei were stained using Hoechst33342, Hmga2 green ($n = 3$).