

RESEARCH REPORTS

Biological

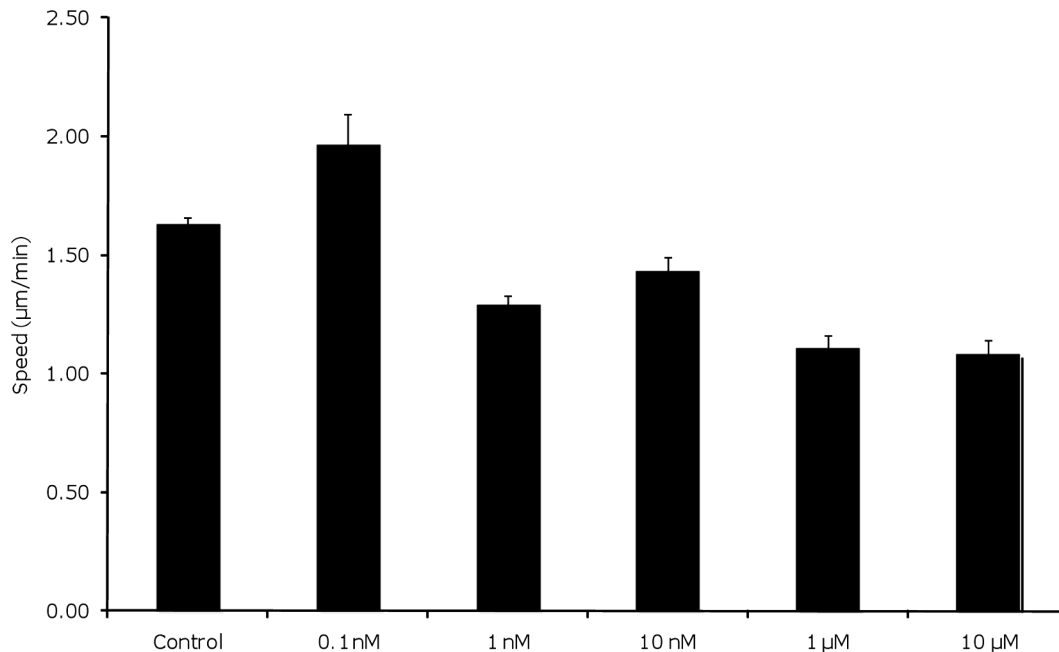
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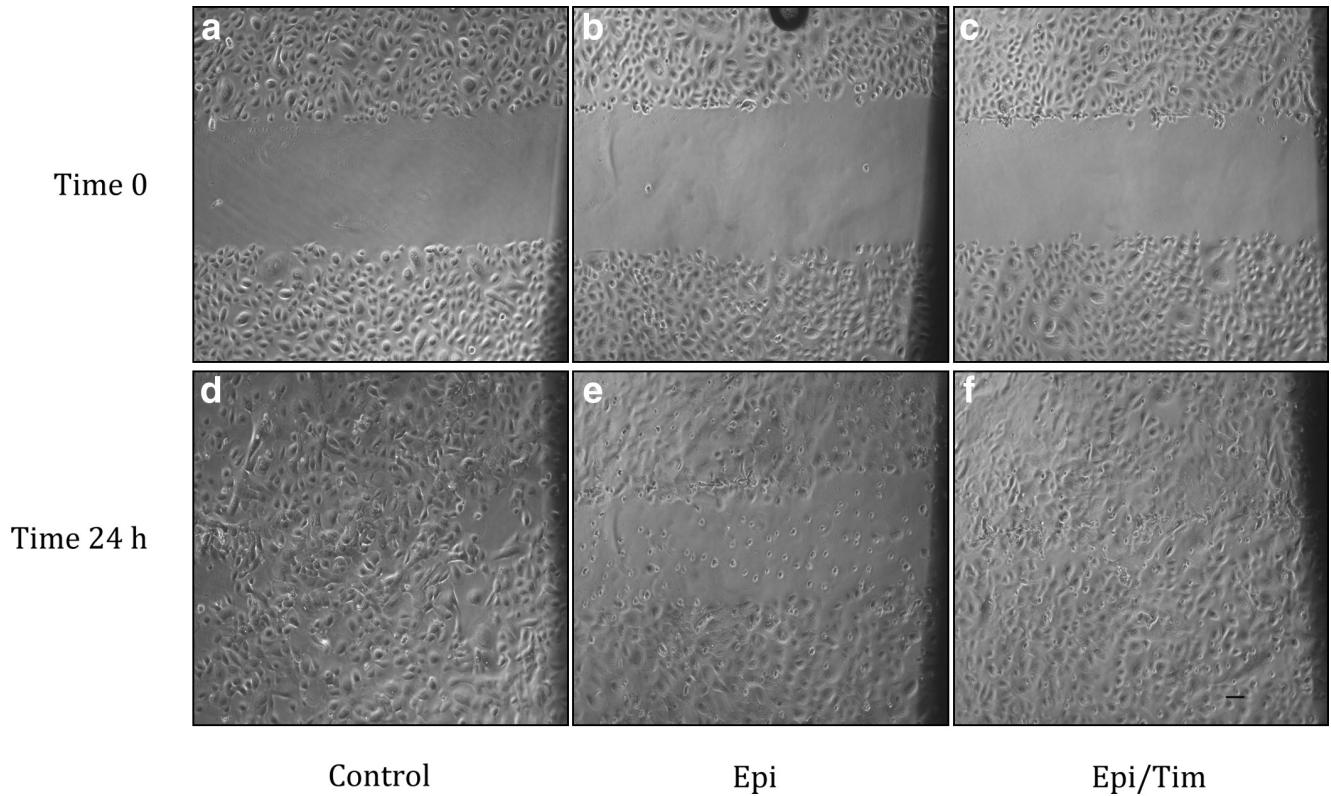
Adrenergic Signaling in Human Oral Keratinocytes and Wound Repair

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APPENDIX



Appendix Figure 1. Dose response of HOK migratory response to epinephrine. Cells were treated with growth medium alone (Control) or with various concentrations of epinephrine in the medium at 37°C for 30 min before imaging. Bars are mean values and standard errors of at least 3 experiments *per* treatment. Two separate cell strains isolated from different donors were tested, with similar results.



Appendix Figure 2. Healing of scratch wounds in confluent cultures of HOK treated with epinephrine. Scratch wounds were made in confluent cultures of HOK, previously treated with Mitomycin C, as described in MATERIALS & METHODS. Two scratches were made in each well, and 2 fields of view were photographed *per* scratch by means of an inverted Nikon Diaphot microscope. Images of the same field were captured at 0 (a,b,c) and 24 (d,e,f) hrs after the scratches were made. After wounding, the medium was replaced with growth medium alone (Control), (a,d) 1 μ M epinephrine (b,e), or 20 μ M timolol + 1 μ M epinephrine (c,f). We used ImageJ (NIH.gov) to measure the scratch wound area, and performed a heteroscedastic (two-sample unequal variance), one-tailed Student's *t* test to compare the average percentage healing. Bar = 50 μ M. The quantitative analyses of these assays are displayed in graph form in Fig. 2C of the text.