Supplementary Fig. 6. Mouse 308 keratinocytes express TRPV3 and display TRPV3-like ($I_{TRPV3,L}$) currents.

(a) Immunostaining of mouse 308 keratinocytes by TRPV3 antibody (αTRPV3) and cytokeratin 8.60 antibody. (b) Cross-sensitization of increases in $[\text{Ca}^{2+}]_i$ induced by two distinct agonists of TRPV3 (DPBA and camphor). Responses of individual cells (dotted lines) and the average response (solid black line) are shown. Essentially all cells responded to co-application of DPBA and camphor. (c, d) DPBA and camphor-induced TRPV3-like ($I_{TRPV3,L}$) currents in mouse 308 keratinocytes. The $I_{TRPV3,L}$ currents were doubly rectifying and reversed near 0 mV. Ruthenium red (10 μM) selectively blocked inward $I_{TRPV3}$. 