Supplementary material to article by M. Simanski et al. "Staphylococcus epidermidis-induced Interleukin-1 Beta and Human Beta-defensin-2 Expression in Human Keratinocytes is Regulated by the Host Molecule A20 (TNFAIP3)"

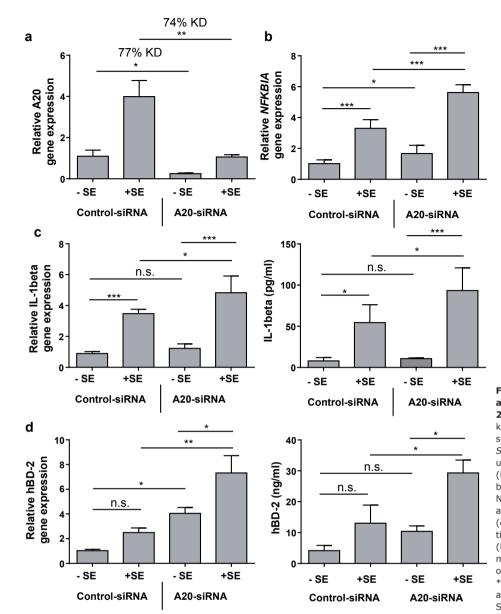


Fig. S2. A20 influences basal activation and expression of NF-kB and hBD-2 in keratinocytes. Human primary keratinocytes were transfected with an A20specific siRNA. Cells were stimulated with Staphylococcus epidermidis (+SE) or left unstimulated (-SE). (a) Knockdown efficiency (KD) of A20 gene expression was determined by real-time PCR. (b-d) Gene expression of NFKBIA was measured by real-time PCR (b) and gene and protein expression of IL-1 beta (c) and hBD-2 (d) were analysed by realtime PCR and enzyme-linked immunoassay (ELISA), respectively. Data are presented as means±standard error of the mean (SEM) of 4 stimulations (*p < 0.05, **p < 0.01, ***p<0.01, n.s.: not significant; 1-way analysis of variance (ANOVA) with Holm-Sidak's multiple comparisons test).

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