Supplementary Figure 1

TNFα (10 ng/ml) induced stress fiber formation in HUVECs. Immunofluorescence staining with a phalloidin probe against F-actin (grey) showed thick filamentous actin bundles traversing through the endothelial cells (white arrows), indicating stress fiber formation. Grey scale bar is 50 µm.
Supplementary Figure 2

Preincubation with 312.5 µM 8(4-CPT) cAMP (cAMP) and 17.5 µM RO-20-1724 did not prevent the TNFα-induced effects on ZO-1 and VE-cadherin. TNFα (10 ng/ml) significantly decreased mRNA expression of ZO-1 (A) and VE-cadherin (B) after 24h and this could not be prevented by preincubation of BRECs by cAMP and RO-20-1724. (C) Immunofluorescence staining of ZO-1 (grey) shows a decrease after stimulation with TNFα both in cells grown in normal medium and in medium with cAMP and RO-20-1724. (D) Immunofluorescence staining of VE-cadherin (green) shows a slight decrease after stimulation with TNFα, which was also the case when cells were preincubated with cAMP and RO-20-1724. **P<0.01. Data are depicted as mean ± s.d. White scale bar is 50 µm.