Supplemental Figures

Figure 1

![Fluorescence microscope images of DCFDA fluorescence in PASM cells upon Caffeine or NE treatment.](image1.png)

Figure 2

![Red CC-1 were used to determine ROS generation in MASMCs.](image2.png)

Figure 3

![Lucigenin was used to determine ROS generation in MASMCs.](image3.png)

Figure 4

![Calibration curve of pcDNA3.1+/mit-2mutAEQ. Different concentrations of caffeine and norepinephrine induced elevation of [Ca^{2+}]_{cyt} were quantified and fitted into dose dependent curves.](image4.png)

Figure 5

![PASMCs were treated with tetracaine (1 μM) or 2-APB (1 M) for 5 min. Mitochondrial ROS generation were measured using a Mitochondrial ROS Detection Assay Kit. Data were obtained from 3 separate experiments. **P < 0.01 compared with control group. #P < 0.05, ##P < 0.01 compared NE positive (2nd) group.](image5.png)