



Supplementary Results

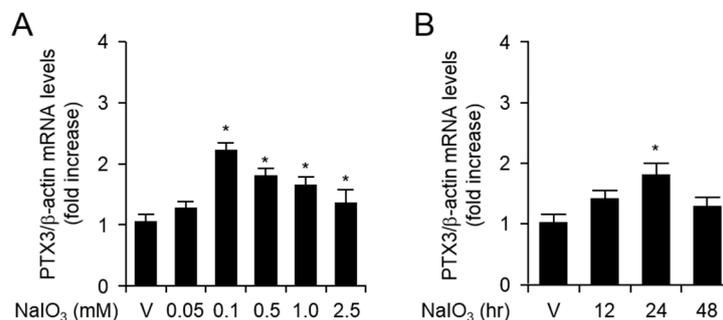


Figure S1. The expression of pentraxin 3 (PTX3) mRNA levels was enhanced after NaIO₃ administration in human RPE cells. Human retinal pigmented epithelial cell lines ARPE-19 cells were treated for 24 h in various doses of NaIO₃ (A). ARPE-19 cells were exposed to 100 μM NaIO₃, for the indicated time points (B). Values are presented as mean ± SD, n=3. **p* < 0.05, increased PTX3 mRNA expression after NaIO₃ administration vs. vehicle (V).

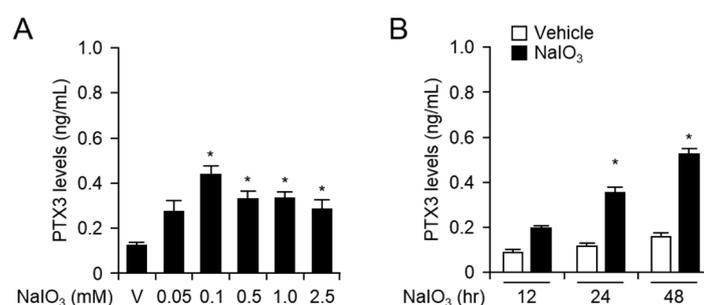


Figure S2. The protein levels of PTX3 were enhanced after NaIO₃ administration in human RPE cells. Human retinal pigmented epithelial cell lines ARPE-19 cells were treated for 48 hours in various doses of NaIO₃ (A). ARPE-19 cells were exposed to 100 μM, for the indicated time points supernatants were harvested and analyzed for PTX3 production (B). Values are presented as mean ± SD, *n* = 12. **p* < 0.05, increased PTX3 after NaIO₃ administration vs. vehicle (V).

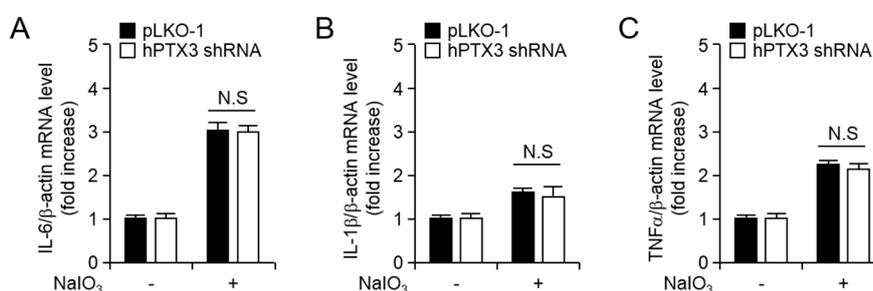


Figure S3. The mRNA levels of inflammatory cytokines were not enhanced hPTX3 shRNA expressing ARPE-19 cells in response to NaIO₃. Total RNA was extracted from control or hPTX3 shRNA expressing ARPE-19 cells 12 h after 100 μM NaIO₃ administration. mRNA levels of IL-6 (A), IL-1β (B) and TNFα (C) were analyzed by quantitative real-time RT-PCR. Human β-actin was used as a control for normalization. Expression levels of each mRNA are divided by expression of β-actin and shown as a ratio of each mRNA/β-actin. Values are presented as mean ± SD, *n* = 3. N.S. indicates non-significance.