Supplementary Fig. 1. (A) Body weights and (B) liver weights were measured before and at 24 h after treatment of TAA. Data are expressed as means ± SEM (n=3-6). No significant difference was observed.
Supplementary Fig. 2. Western blots of acetyllysine on the liver proteins of mice at 6 h after the TAA treatment. Lower panel depicts the quantification of intensity of each lane normalized to the corresponding β-actin. Data are expressed as means ± SEM (n=3). †P<0.05, SOD1KO TAA compared with WT TAA.
**Supplementary Fig. 3.** Western blots of ubiquitinated proteins in the liver of mice at 24 h after the TAA treatment. Lower panels depict the quantification of intensity of bands normalized to the corresponding catalase. Data are expressed as means ± SEM (n=3). No significant difference was observed.
Supplementary Fig. 4. Levels of antioxidative enzymes and hyperoxidized Prx at 6 h after the TAA treatment. Western blots of SOD1, SOD2, Prx2, Prx-SO$_{2/3}$, γ-GCS-H, γ-GCS-L, and β-actin on liver proteins of mice at 6 h after TAA treatment. Lower panels depict the quantification of intensity of each bands normalized to the corresponding β-actin. Data are expressed as means ± SEM (n=3). *P<0.05, KO TAA compared with KO PBS; †P<0.05, KO TAA compared with WT TAA; n.s., not significant.
Supplementary Fig. 5. Western blots of HNE-modified proteins in the livers of mice at 24 h after the TAA treatment. Lower panels depict quantification of the intensity of bands normalized to the corresponding catalase. Data are expressed as means ± SEM (n=3). No significant difference was observed.
Supplementary Fig. 6. Levels of proteins involved in lipid metabolism at 6 h after the TAA treatment. Western blots of FAS, ACC, SCD1, PLIN2, MTP, and ApoB in liver proteins of mice at 6 h after TAA treatment. Lower panels depict quantification of the intensity of each band except for PLIN2 normalized to the corresponding β-actin. Data are expressed as means ± SEM (n=3). *P<0.05, WT TAA compared with WT PBS; § P<0.05, KO PBS compared with WT PBS. ††P<0.05, KO TAA compared with KO PBS; ‡‡P<0.01, KO TAA compared with WT TAA; n.s., not significant.