



Supplementary Figure S1. Downregulation of TLR4-induced neurotoxicity is associated with nNOS^{S1416} phosphorylation in the NTS of spontaneously hypertensive rats. (A) SBP after TAK242 administration for 2 weeks. (B) Representative fluorescence images for nNOS^{S1416} (green)-positive cells in the NTS sections of WKY, SHRs, and SHRs treated with TAK242. One-way analysis of variance (ANOVA) with Scheffé post-hoc performed for statistical analysis. (C-D) Representative fluorescence images for AT1R (green), TLR4 (red) and microglial marker IBA-1 (white)-positive cells in the NTS sections of WKY, SHRs, and SHRs treated with TAK242. One-way analysis of variance (ANOVA) with Scheffé post-hoc was performed for statistical analysis. The values are presented as mean \pm SEM. * $P < 0.05$, significantly different from 20-week-old WKY. # $P < 0.05$ versus SHR. All data are presented as means \pm SEM (n = 6 per group).