

Figure S1 Decreased phosphorylation of EC function proteins in the heart tissue of GSA-treated rats. (A) Immunohistochemistry (positive staining is brown, 1:40, 2.5 µm per scale bar). (B) Western blot (control: n=3; GSA 200 µg/kg: n=6). (C) The density of each protein normalized to GAPDH in relation to the control group (set as 1.0). The bars indicate the means ± standard deviations of three rats in the control group and six rats in the GSA group. **P<0.01 *vs.* control; ***P<0.001 *vs.* control. GSA, glycated serum albumin; Cx43, connexin 43; eNOS, endothelial nitric oxide synthase; Akt, serine-threonine kinase; PI3K, phosphatidylinositol 3-kinase; GAPDH, glycolytic enzyme glyceraldehyde 3-phosphate dehydrogenase; EC, endothelial cell.

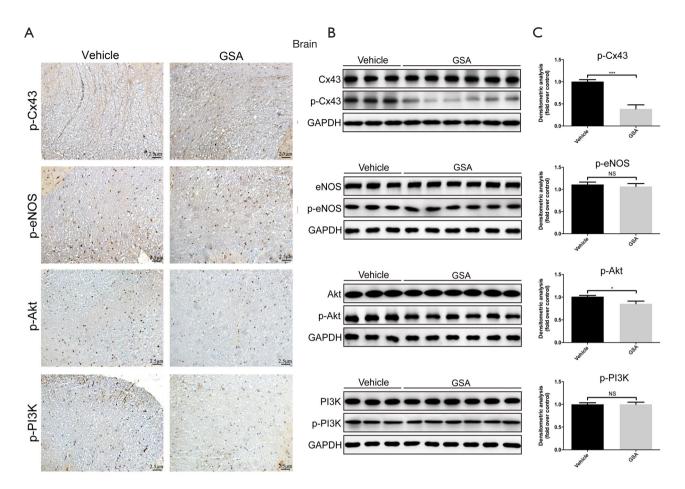


Figure S2 Decreased phosphorylation of EC function proteins in the brain tissue of GSA-treated rats. (A) Immunohistochemistry (positive staining is brown, 1:40, 2.5 µm per scale bar). (B) Western blot (control: n=3; GSA 200 µg/kg: n=6). (C) The density of each protein normalized to GAPDH in relation to the control group (set as 1.0). The bars indicate the means ± standard deviations of three rats in the control group and six rats in the GSA group. *P<0.05 *vs.* control; ***P<0.001 *vs.* control; NS: P>0.05 *vs.* control. GSA, glycated serum albumin; Cx43, connexin 43; eNOS, endothelial nitric oxide synthase; Akt, serine-threonine kinase; PI3K, phosphatidylinositol 3-kinase; GAPDH, glycolytic enzyme glyceraldehyde 3-phosphate dehydrogenase; NS, no significance; EC, endothelial cell.