

Original uncropped western-blot images

Figure 4F: NOX2 protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 67 kDa.

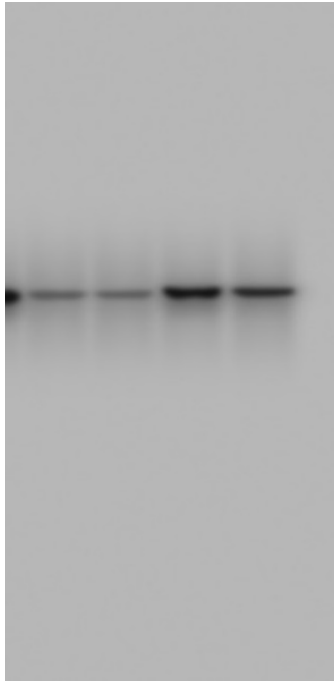


Figure 4F: NOX4 protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 65 kDa.

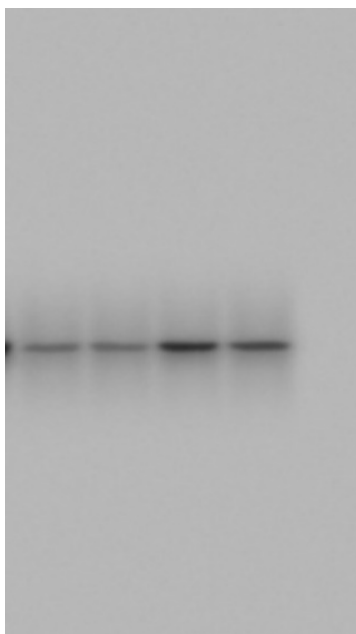


Figure 4F: NOX1 protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 65 kDa.

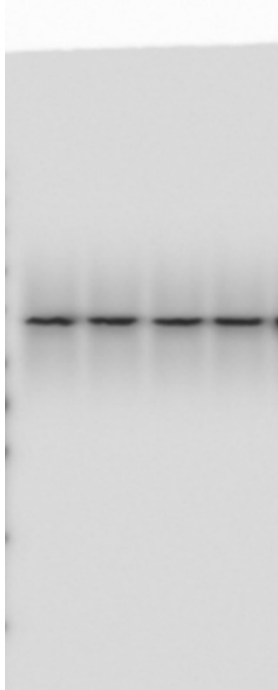


Figure 4F: GAPDH protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 40 kDa.

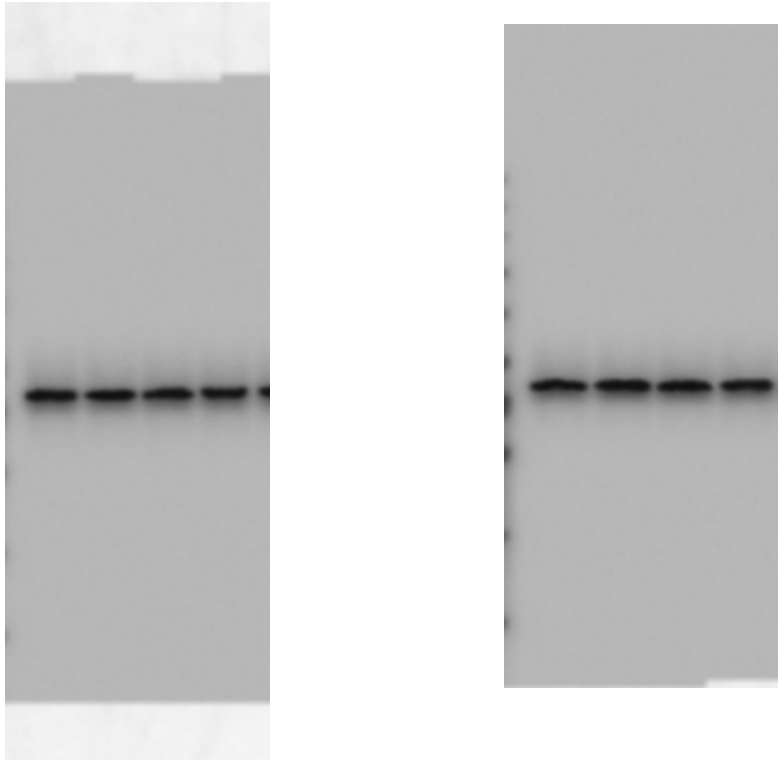


Figure 5A: Phosphorylation of I κ B- α protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 85 kDa.

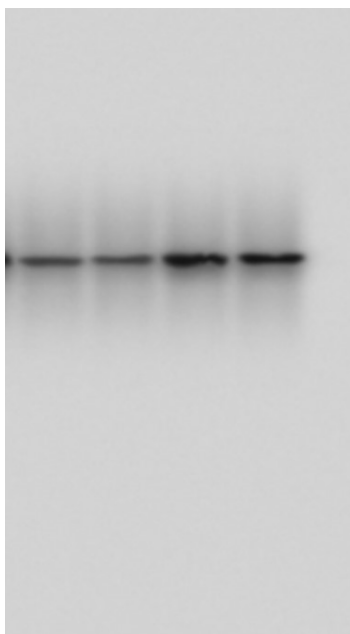


Figure 5A: I κ B- α protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 85 kDa.

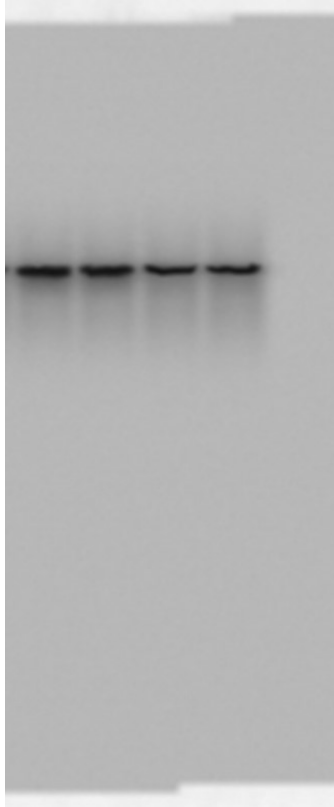


Figure 5A: GAPDH protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 65 kDa.

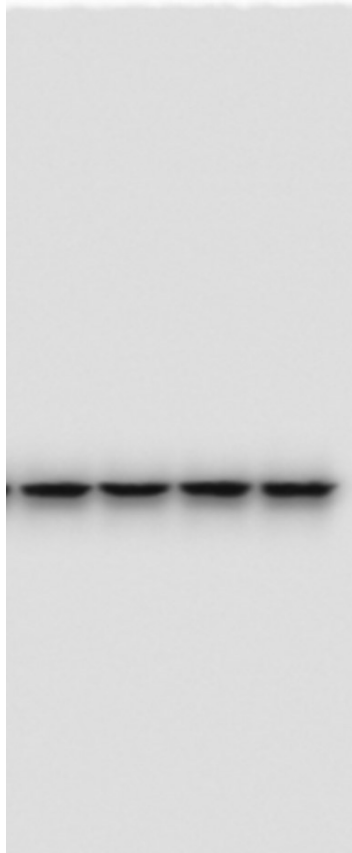


Figure 5A: p65 protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 65 kDa.

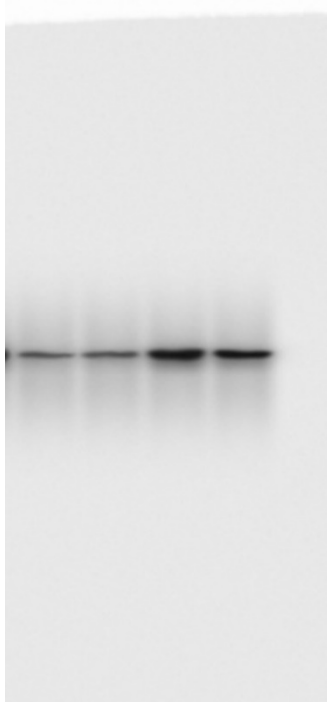


Figure 5A: Histone protein. Western blot was performed on the hearts of control or diabetic rats treated with either polydatin (90 mg/kg/day) or vehicle for 8 weeks. 1st—4th lane: CON, CON+PD, DM, DM+PD. Observed band size: 15 kDa.

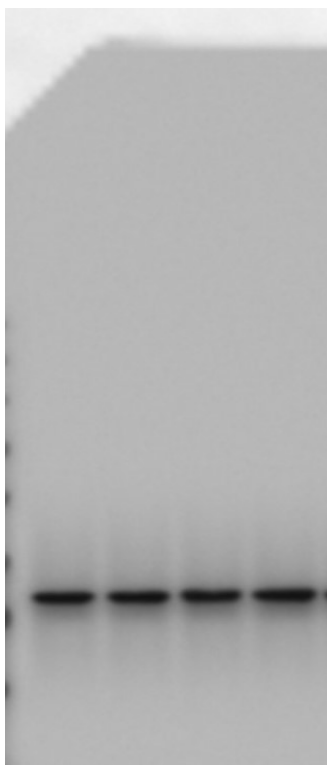


Figure 7G: Phosphorylation of I κ B- α protein in the cytoplasm of H9c2 cells. H9c2 cells were cultured in DMEM containing 30 mmol/L glucose (HG) or 5.5 mmol/L glucose (normal glucose) and treated with polydatin (40 μ mol/L), DPI (a NADPH oxidase inhibitor, 10 μ mol/L) or polydatin (40 μ mol/L) +DPI (10 μ mol/L) for 24 h. 1st—4th lane: CON,CON+DPI,CON+PD CON+DPI+PD; 5th—8th lane: HG,HG+DPI,HG+PD HG+DPI+PD. Observed band size: 85kDa.

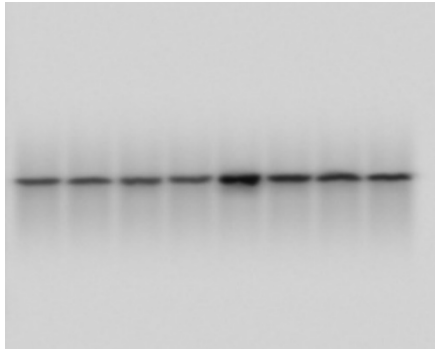


Figure 7G: I κ B- α protein in the cytoplasm of H9c2 cells. H9c2 cells were cultured in DMEM containing 30 mmol/L glucose (HG) or 5.5 mmol/L glucose (normal glucose) and treated with polydatin (40 μ mol/L), DPI (a NADPH oxidase inhibitor, 10 μ mol/L) or polydatin (40 μ mol/L) +DPI (10 μ mol/L) for 24 h. 1st—4th lane: CON,CON+DPI,CON+PD CON+DPI+PD; 5th—8th lane: HG,HG+DPI,HG+PD HG+DPI+PD. Observed band size: 85kDa.

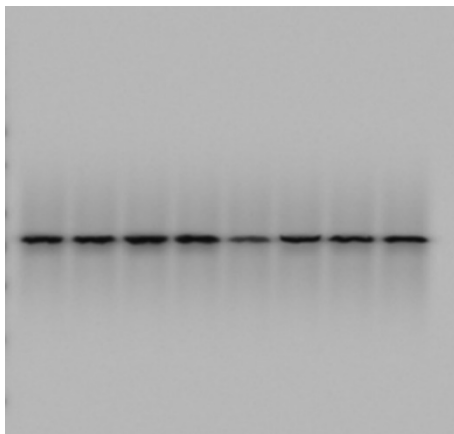


Figure 7G: GAPDH protein in the cytoplasm of H9c2 cells. H9c2 cells were cultured in DMEM containing 30 mmol/L glucose (HG) or 5.5 mmol/L glucose (normal glucose) and treated with polydatin (40 μ mol/L), DPI (a NADPH oxidase inhibitor, 10 μ mol/L) or polydatin (40 μ mol/L) +DPI (10 μ mol/L) for 24 h. 1st—4th lane: CON,CON+DPI,CON+PD CON+DPI+PD; 5th—8th lane: HG,HG+DPI,HG+PD HG+DPI+PD. Observed band size: 40kDa.

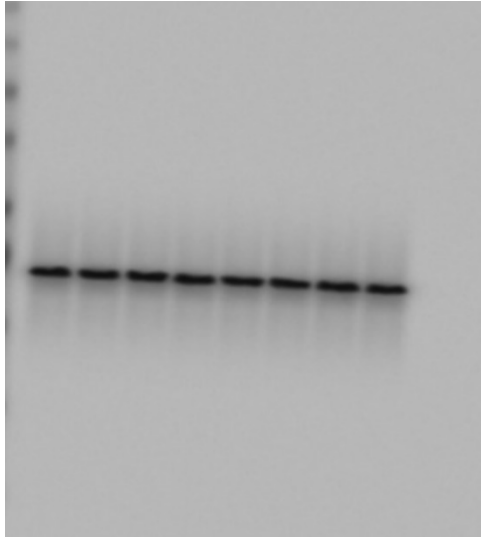


Figure 7G: p65 protein in nucleus of H9c2 cells. H9c2 cells were cultured in DMEM containing 30 mmol/L glucose (HG) or 5.5 mmol/L glucose (normal glucose) and treated with polydatin (40 μ mol/L), DPI (a NADPH oxidase inhibitor, 10 μ mol/L) or polydatin (40 μ mol/L) +DPI (10 μ mol/L) for 24 h. 1st—4th lane: CON,CON+DPI,CON+PD CON+DPI+PD; 5th—8th lane: HG,HG+DPI,HG+PD HG+DPI+PD. Observed band size: 65kDa.

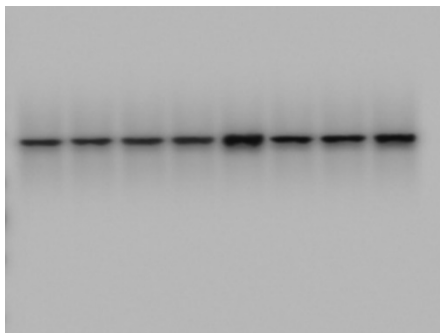


Figure 7G: Histone protein in nucleus of H9c2 cells. H9c2 cells were cultured in DMEM containing 30 mmol/L glucose (HG) or 5.5 mmol/L glucose (normal glucose) and treated with polydatin (40 $\mu\text{mol/L}$), DPI (a NADPH oxidase inhibitor, 10 $\mu\text{mol/L}$) or polydatin (40 $\mu\text{mol/L}$) +DPI (10 $\mu\text{mol/L}$) for 24 h. 1st—4th lane: CON,CON+DPI,CON+PD CON+DPI+PD; 5th—8th lane: HG,HG+DPI,HG+PD HG+DPI+PD. Observed band size: 15kDa.

