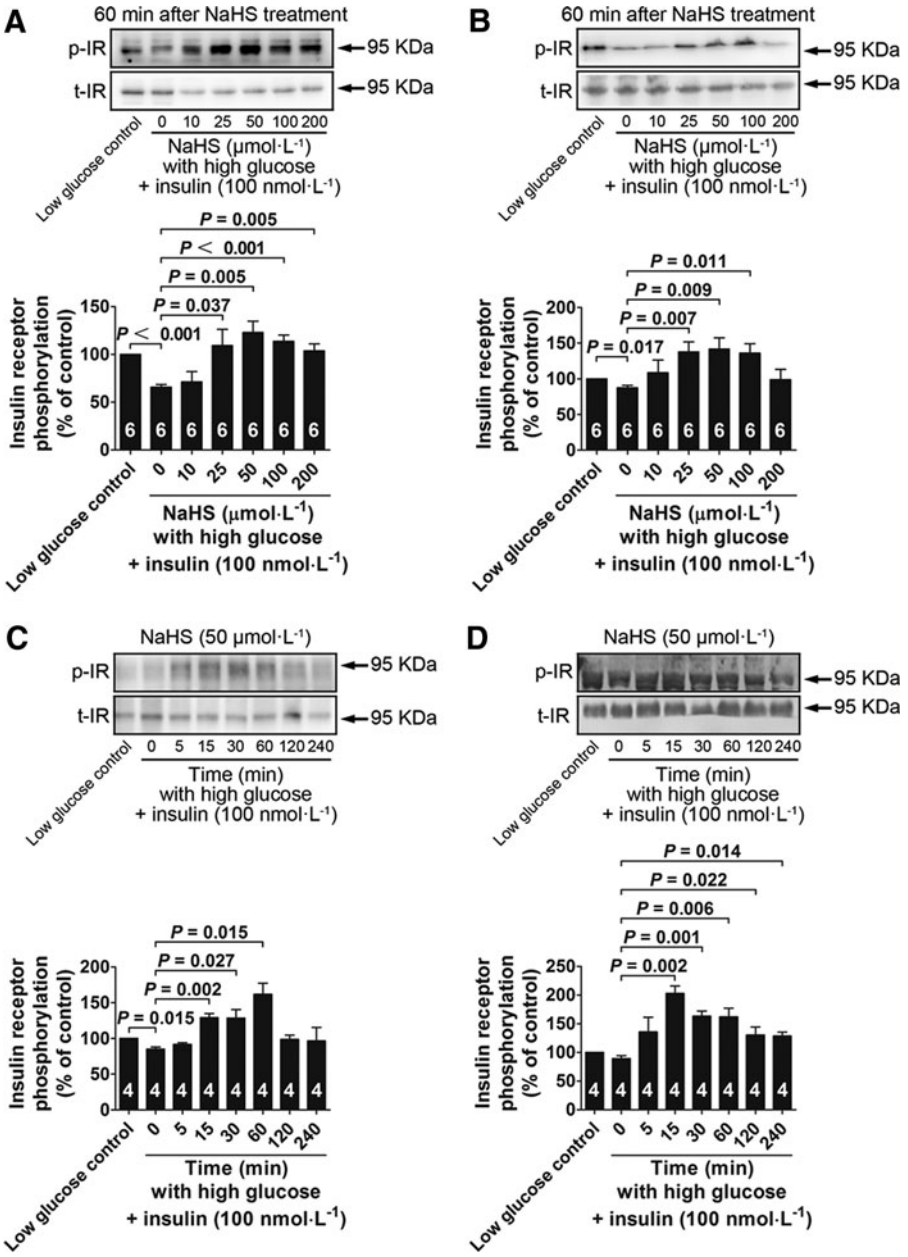
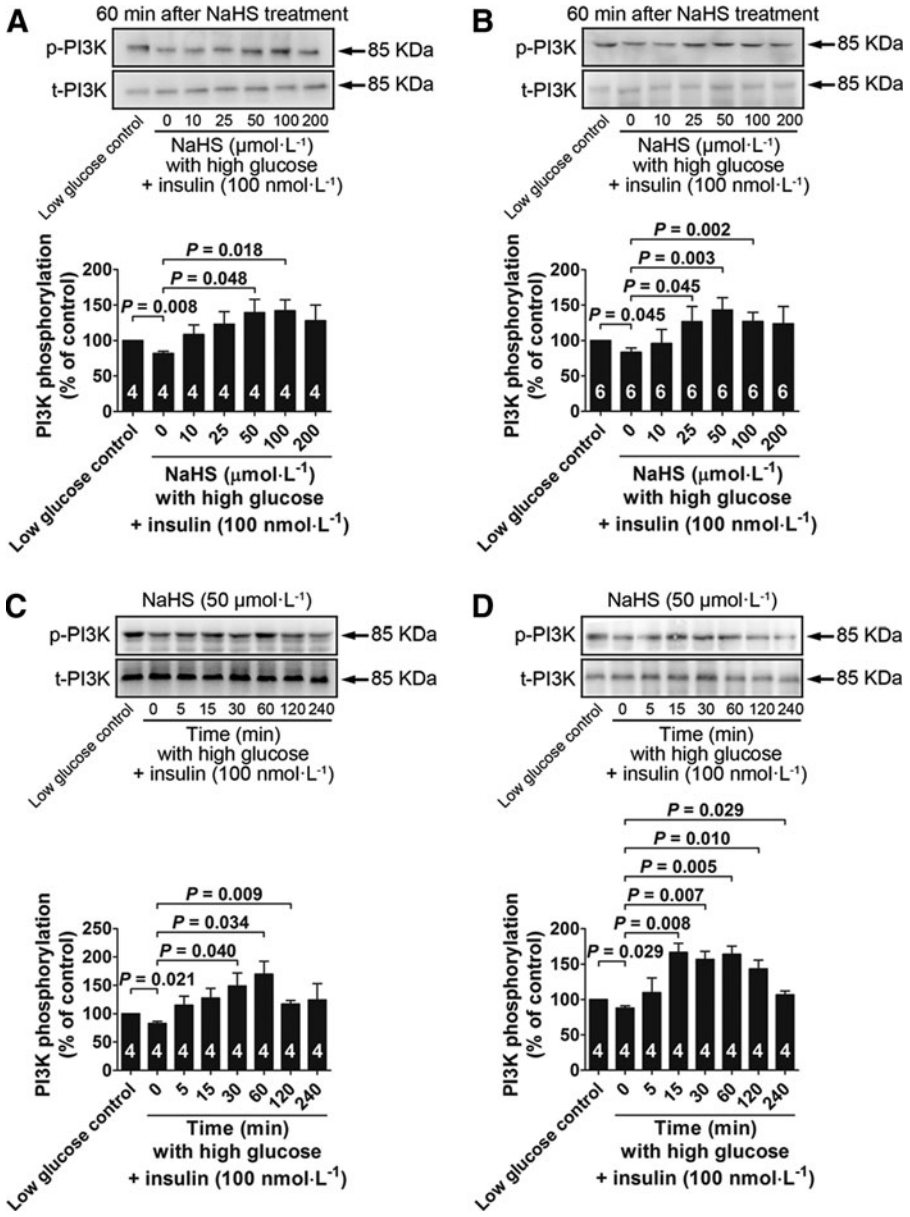
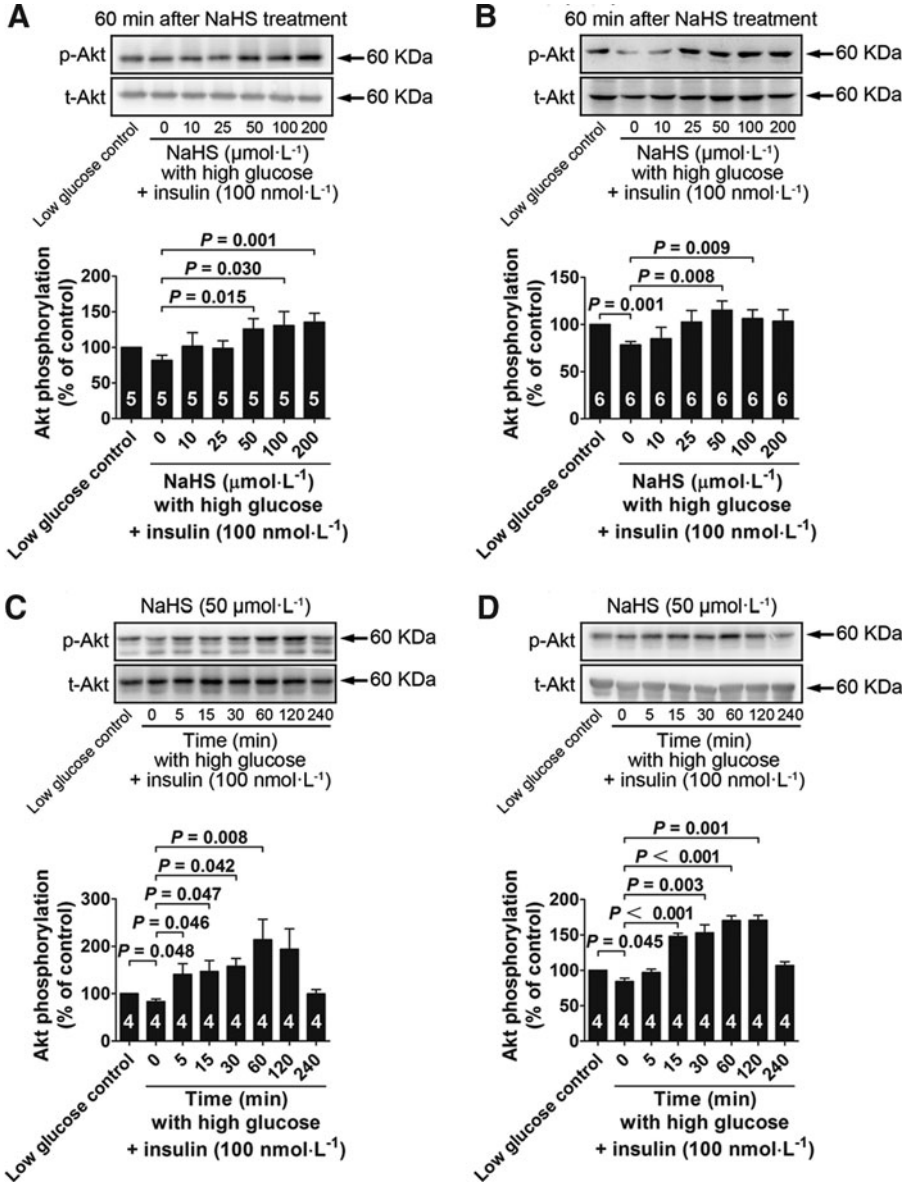
Supplementary Data



SUPPLEMENTARY FIG. S1. NaHS treatment increases phosphorylation of the IR in L6 myotubes and 3T3-L1 adipocytes in the presence of high glucose (25 m*M*) and insulin (100 n*M*). (A, B) Dose–response of NaHS treatment (10–200 μM) for 60 min on phosphorylation of the IR in L6 myotubes and 3T3-L1 adipocytes exposed to a high-glucose medium (25 m*M*) with insulin (100 n*M*). **(C, D)** Time course of phosphorylation of the IR induced by NaHS treatment (50 μM) in L6 myotubes and 3T3-L1 adipocytes exposed to a high-glucose medium (25 m*M*) with insulin (100 n*M*). Data represent means ± SE. A p value < 0.05 represents statistical significance. NaHS, sodium hydrosulfide; IR, insulin receptor; SE, standard error.



SUPPLEMENTARY FIG. S2. NaHS treatment increases phosphorylation of PI3K in L6 myotubes and 3T3-L1 adipocytes in the presence of high glucose (25 m*M*) and insulin (100 n*M*). (A, B) Effects of a 60-min treatment with various concentrations of NaHS (10–200 μM) on PI3K phosphorylation in L6 myotubes and 3T3-L1 adipocytes exposed to a high-glucose medium. **(C, D)** Time course of PI3K phosphorylation induced by NaHS (50 μM) in L6 myotubes and 3T3-L1 adipocytes exposed to a high-glucose medium. Data represent means ± SE. A p value < 0.05 represents statistical significance.



SUPPLEMENTARY FIG. S3. NaHS treatment increases phosphorylation of Akt in L6 myotubes and 3T3-L1 adipocytes in the presence of high glucose (25 m*M*) and insulin (100 n*M*). (A, B) Effects of a 60-min treatment with various concentrations of NaHS (10–200 μM) on Akt phosphorylation in L6 myotubes and 3T3-L1 adipocytes exposed to a high-glucose medium. **(C, D)** Time course of Akt phosphorylation induced by NaHS (50 μM) in L6 myotubes and 3T3-L1 adipocytes exposed to a high-glucose medium. Data represent means ± SE. A p value < 0.05 represents statistical significance.