

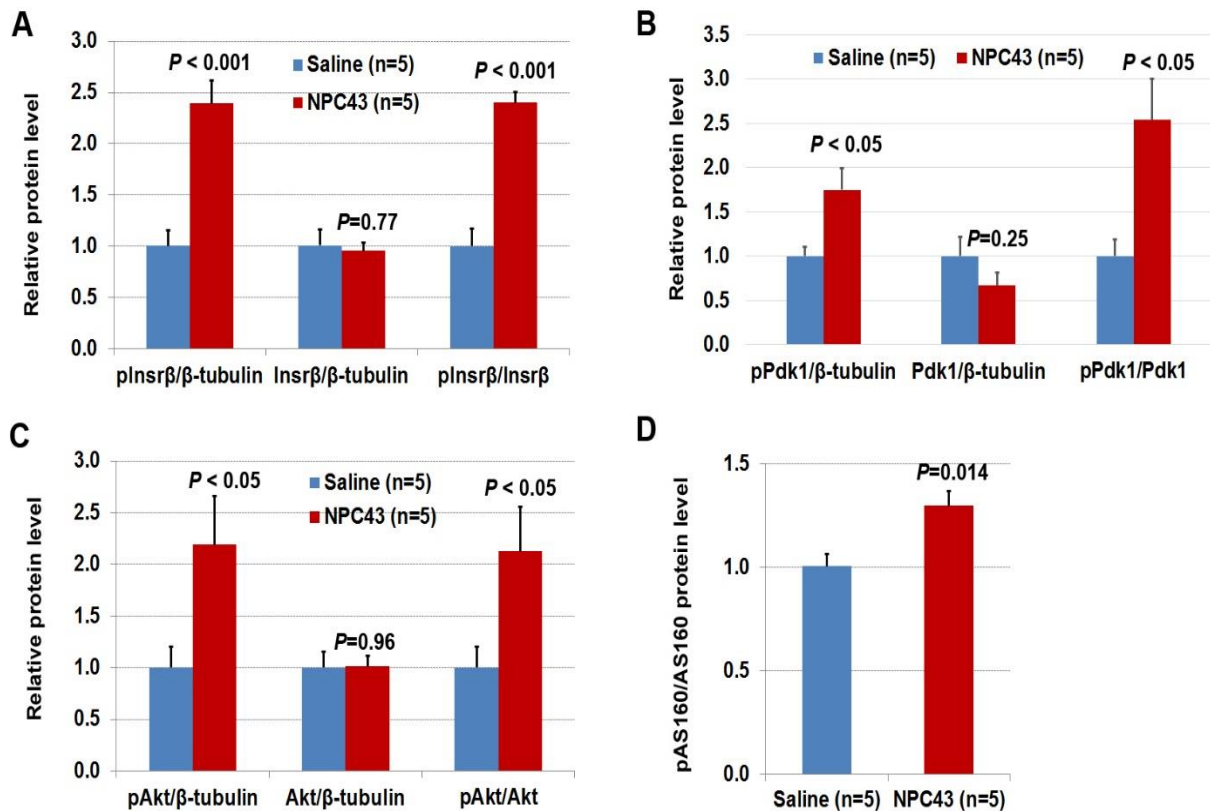
**Title:** Non-peptidyl small molecule, adenosine, 5'-Se-methyl-5'-seleno-, 2',3'-diacetate, activates insulin receptor and attenuates hyperglycemia in type 2 diabetic *Lepr<sup>db/db</sup>* mice

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### Supplementary Material-9



**Quantitative changes in protein expression of (A) pInsrβ Y1146/Insrβ, (B) pPdk1 S241/Pdk1, (C) pAkt T308/Akt, and (D) pAS160 S588/AS160 in the skeletal muscle of *Lepr<sup>db/db</sup>* mice after chronic i.p. treatment with NPC43, as determined by Western blot analysis and/or immunoprecipitation shown in Fig. 6B. Protein band densities in Western blots in Fig. 6B were determined using NIH Image J software, and data are presented as mean ± SEM of 5 mice per group. P value (the NPC43-treated group vs. the control saline group) was determined by performing *Student's t-test*.**