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*$^{db/db}$ mice

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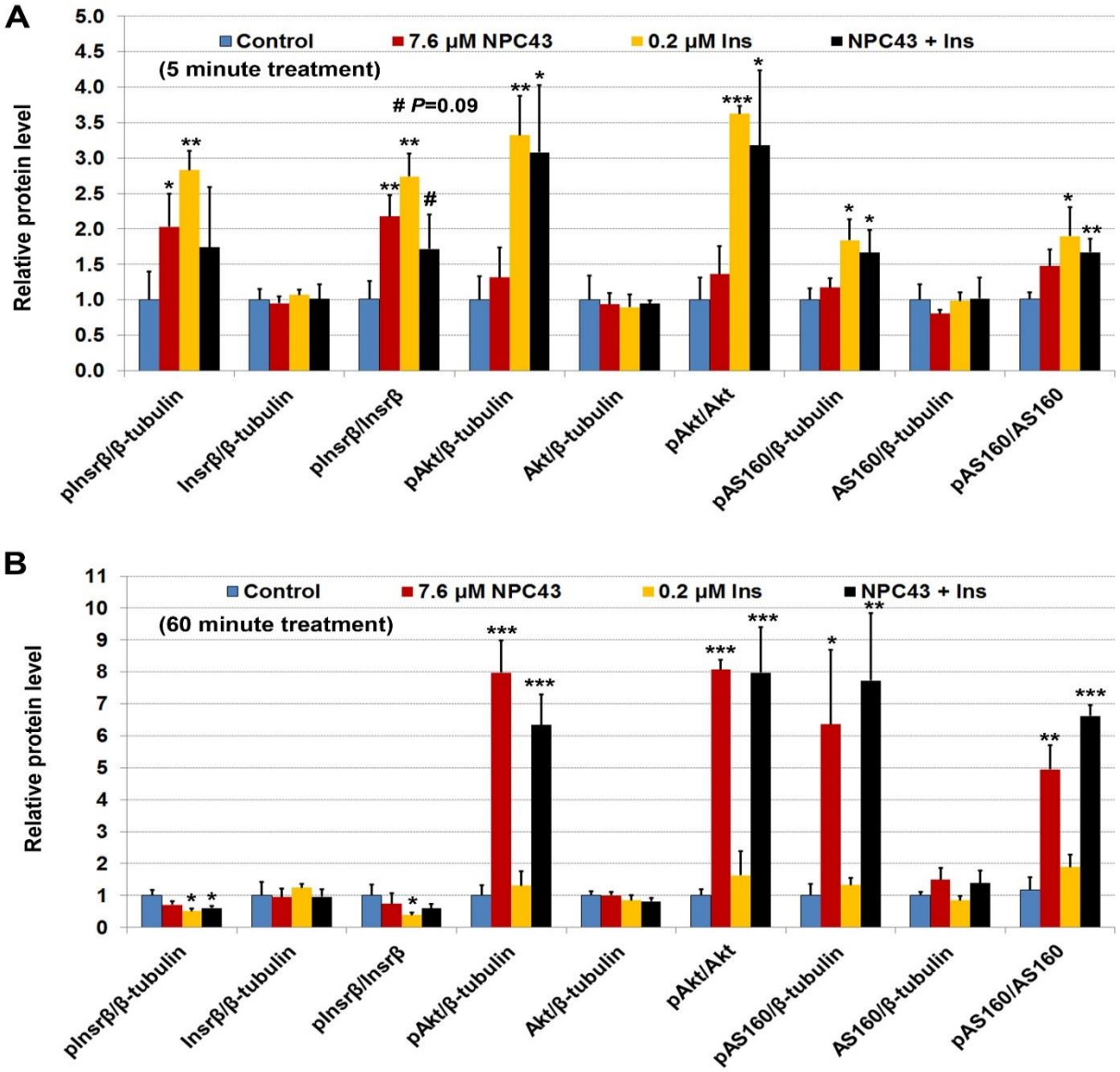
Supplementary Material-7:



Quantitative changes in protein expression of pInsrβ Y1146 and its downstream signaling molecules, Akt and AS160, in differentiated C2C12 (skeletal muscle) cells after treatment with NPC43 (7.6 μM), insulin (Ins, 0.2 μM) or both for (A) 5 and (B) 60 minutes, as determined by Western blot analysis shown in Fig. 6A. Densities of protein bands in Western blots (Fig. 6A) were determined using NIH Image J software. Data are presented as mean ± SD of triplicates per group. $*P < 0.05$, $**P < 0.01$, $***P < 0.001$, vs. its control group (without NPC43 treatment group, *Student's t-test*).