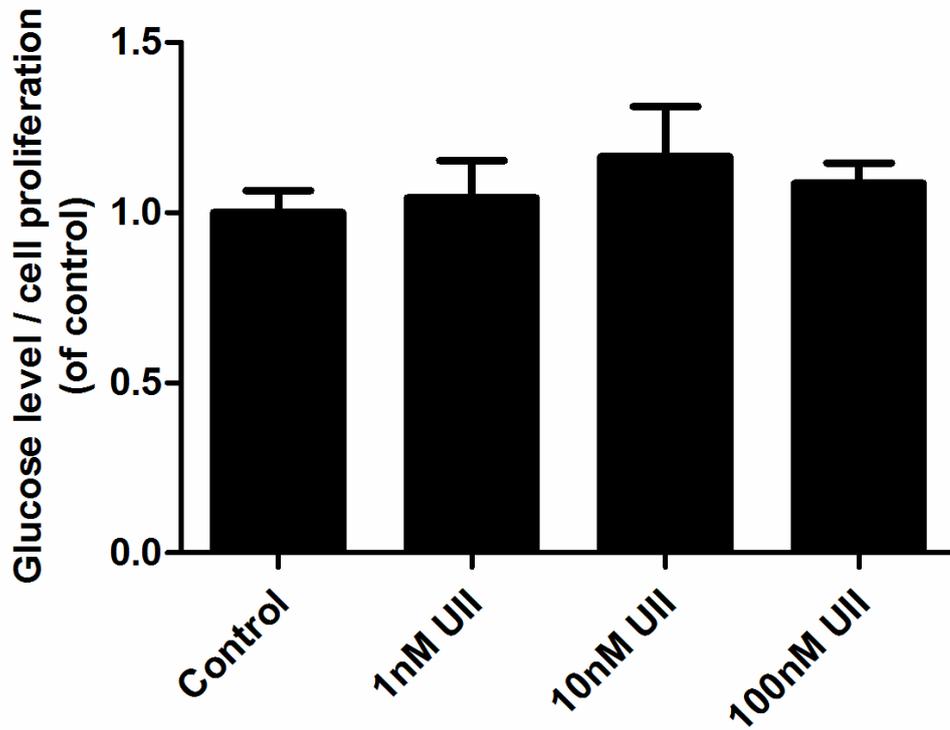
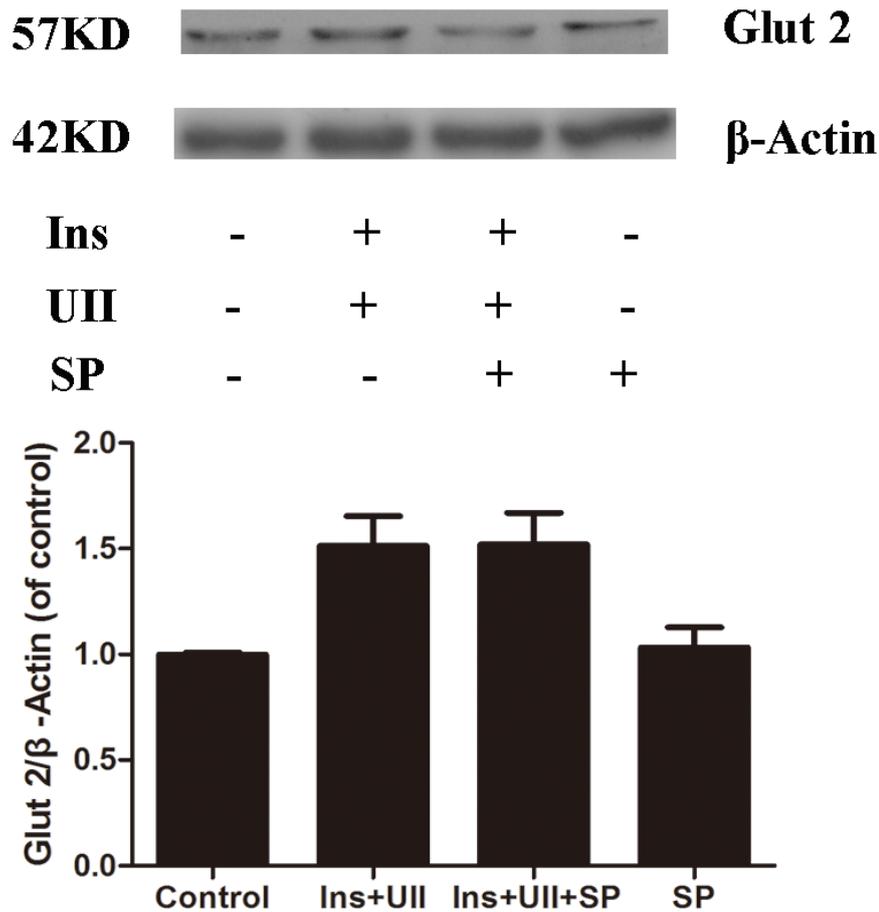


Supporting Information



S1 figure. UII alone had little obvious impact on glucose consumption in HepG2 hepatocytes. HepG2 cells were cultured in 0, 1, 10, or 100 nM UII for 24 h and glucose consumption was detected using the glucose-oxidase method. Data from at least three independent experiments are presented as the mean \pm S.D.



S2 figure. SP600125 failed to reverse Glut 2 protein expression. HepG2 cells were exposed to 100 nM UII for 24 h prior to stimulation with insulin (100nM, 30 min) and pretreatment with 20 μM SP600125 for 30min. Total cell lysates were then subjected to western blotting. SP600125 failed to rescue Glut 2 protein levels exposure to UII. Data from at least three independent experiments are presented as the mean ± S.D.

Supplementary Table 1 Antibody table

Protein target	Name of Antibody	Manufacturer, #	catalog #	Species raised in; monoclonal or polyclonal	Dilution
Phospho-IRS-1	Phospho-IRS-1(Tyr895)	Cell Technology, Inc.	Signaling #3070	Rabbit; polyclonal	1:1000
IRS-1	IRS-1	Cell Technology, Inc.	Signaling #2390	Rabbit; monoclonal	1:1000
Phospho-Akt	Phospho-Akt(Thr308)	Cell Technology, Inc.	Signaling #9275	Rabbit; polyclonal	1:2000
Akt	Akt	Cell Technology, Inc.	Signaling #4691	Rabbit; monoclonal	1:2000
Phospho-GSK-3 β	Phospho-GSK-3 β (Ser9)	Cell Technology, Inc.	Signaling #5558	Rabbit; monoclonal	1:4000
GSK-3 β	GSK-3 β	Cell Technology, Inc.	Signaling #12456	Rabbit; monoclonal	1:4000
Glut 2	Glut 2	Bioworld Technology, Inc.	BS6025	Rabbit; polyclonal	1:1000
Phospho-SAPK/J	Phospho-SAPK/JNK(Thr183/Tyr185)	Cell Technology, Inc.	Signaling #9251	Rabbit; polyclonal	1:2000

NK				1		
				Rabbit;p		1:20
SAPK/J		Cell	Signaling	olyclona		00
NK	SAPK/JNK	Technology,Inc.#9252		1		
				Rabbit;p		1:10
gp91-pho		Bioworld		olyclona		00
x	gp91-phox	Technology,Inc.BS9035		1		
		Santa	Cruz	Rabbit;p		1:80
		Biotechnology,Inc.sc-1		olyclona		0
p67-phox	p67-phox	5342		1		
				Rabbit;p		1:20
		Bioworld		olyclona		00
p47-phox	p47-phox	Technology,Inc.BS3261		1		
		Santa	Cruz	Rabbit;p		1:80
		Biotechnology,Inc.sc-3		olyclona		0
p40-phox	p40-phox	0087		1		
		Santa	Cruz	Rabbit;p		1:80
		Biotechnology,Inc.sc-2		olyclona		0
p22-phox	p22-phox	0781		1		
				Rabbit;p		1:30
		Cell	Signaling	olyclona		00
β -Actin	β -Actin	Technology,Inc.#4967		1		
		Jackson				
	Peroxidase-AffiniPure	ImmunoResearch		Goat;pol		1:50
	Goat Anti-Rabbit IgG	Europe		yclonal		00
Rabbit	(H+L)	Ltd.111-035-003				
