

Erratum

IRS-1 regulates proliferation, invasion and metastasis of pancreatic cancer cells through MAPK and PI3K signaling pathways: Int J Clin Exp Pathol. 2018; 11(11): 5185-5193

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In this article, some errors have been found pertaining to **Figures 4** and **7**. The authors regret the errors and are publishing this erratum to reflect the needed changes.

In **Figure 4**, the same images were used in Aspc-1 cells treated with si-IRS-1 and the untreated Aspc-1 cells at 0 hours. The subfigures of A, B, and C in **Figure 7** had the same β -actin. The correct images for **Figures 4** and **7** are shown below.

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IRS-1 regulates proliferation, invasion and metastasis of pancreatic cancer cell

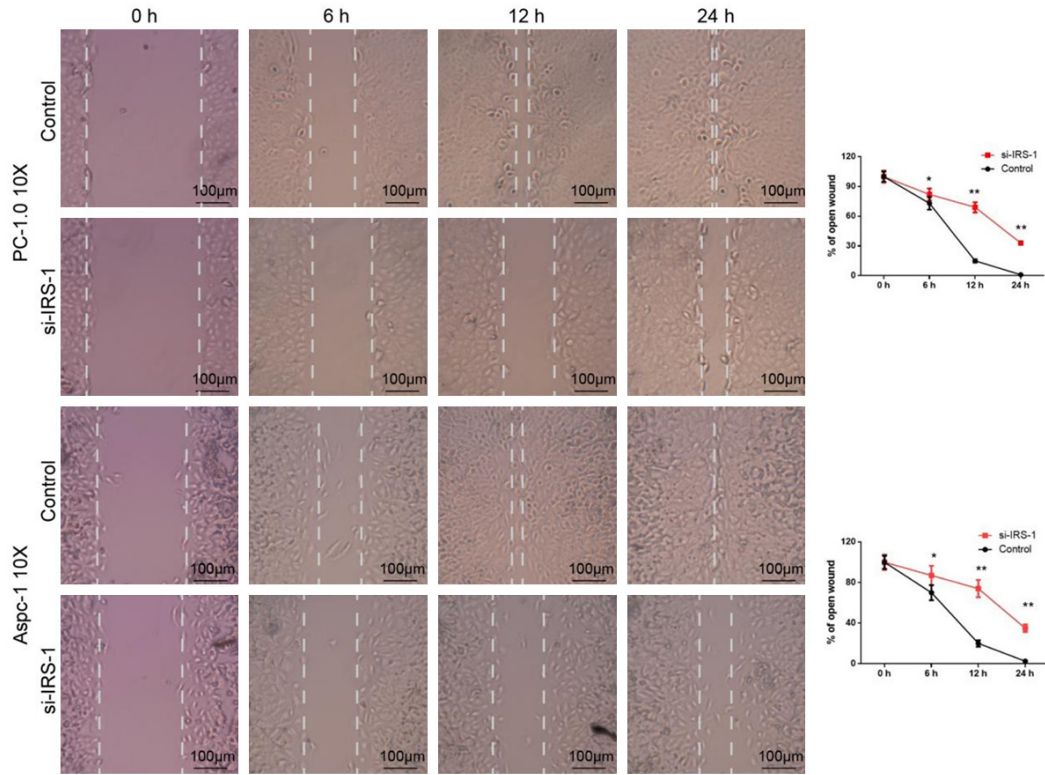


Figure 4. Effect of IRS-1 on the migration after using siRNA in highly metastatic PC-1.0 and Aspc-1 cells. The cells were incubated for 24 h. The percentage migration was calculated and graphed. *Compared to the PC-1.0, P -value < 0.01 (n = 3).

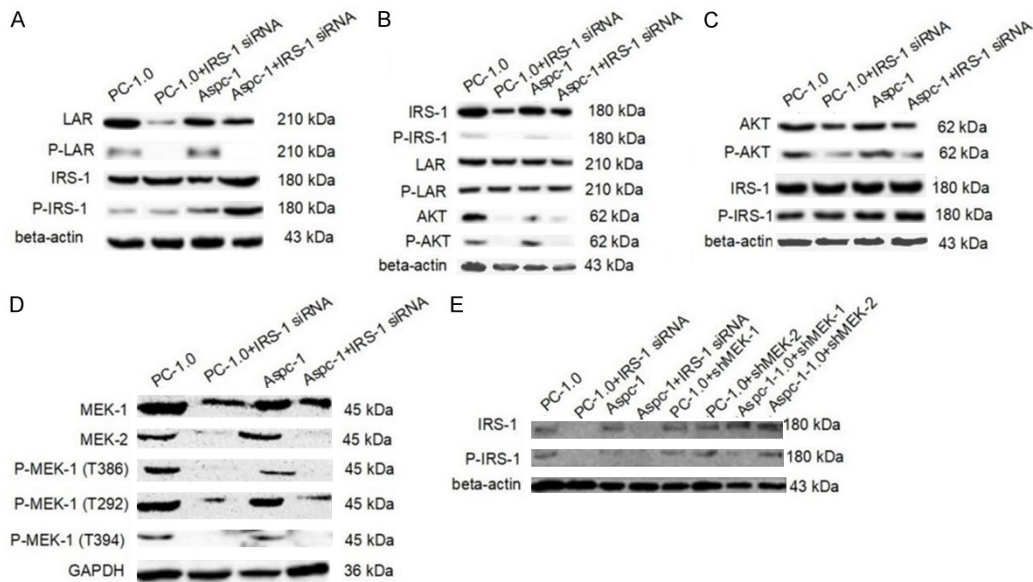


Figure 7. Western blot shows protein and phosphorylation levels of multiple proteins. A. LAR protein and phosphorylation levels were downregulated when treated with LAR siRNA, while IRS-1 protein and phosphorylation levels were downregulated; B. IRS-1 protein and phosphorylation levels were downregulated when treated with IRS-1 siRNA, while LAR protein and phosphorylation levels were not regulated obviously; C. AKT protein and phosphorylation levels were downregulated when treated with AKT inhibitor, while IRS-1 protein and phosphorylation levels were not regulated obviously; D. MEK1 and MEK2 total protein levels and MEK1 (T386), MEK1 (T292) and MEK2 (t394) phosphorylation levels were downregulated when treated with IRS-1 siRNA; E. IRS-1 protein and phosphorylation levels were not regulated obviously in MEK1 and MEK2, stably transfected PC-1.0 cells.