

Retraction: IGF-1 induces the epithelial-mesenchymal transition via Stat5 in hepatocellular carcinoma

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This article has been retracted: In this paper, the Stat5 blots in Figure 2A contain an internal duplication. In addition, several western blot panels in Figure 7B are duplicates of those found in Figure 4B and 4C but representing different proteins, conditions and cell types, in an earlier published paper [1]. All the panels in Figure 4A and 4C, representing transwell assay data, are duplicates of those found in Figure 1 of an earlier published paper and describing completely different conditions and cell types [2]. Therefore, the Editorial decision has been made to retract this paper. All authors agreed with the decision.

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REFERENCES

1. Yuan Z, Chen D, Chen X, Yang H, Wei Y. Overexpression of trefoil factor 3 (TFF3) contributes to the malignant progression in cervical cancer cells. *Cancer Cell Int.* 2017; 17:7. <https://doi.org/10.1186/s12935-016-0379-1>. [PubMed]
2. Ding Q, Xia Y, Ding S, Lu P, Sun L, Fan Y, Li X, Wang Y, Tian DA, Liu M. Potential role of CXCL9 induced by endothelial cells/CD133⁺ liver cancer cells co-culture system in tumor transendothelial migration. *Genes Cancer.* 2016; 7:254–59. <https://doi.org/10.18632/genesandcancer.116>. [PubMed]