CORRIGENDUM

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Overexpression of SHP2 tyrosine phosphatase promotes the tumorigenesis of breast carcinoma

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Following the publication of this article, an interested reader drew to our attention that three errors had occurred in the layout of the figures. In the initial and published version of Fig. 3A and B, the pictures from the Normal 0 h and Vector 0 h group were derived from the same original source due to the errors in our naming system. When the pictures were captured, these were erroneously named as 'control 1/control 2', and not 'normal/vector.' Also, in the published version of Fig. 7C, the protein expression levels of extracellular-signal-regulated kinase (ERK) and β-actin in the MB231 cells were wrongly presented. Essentially, the band of β-actin was a duplication of ERK. After having re-examined our original data, we realize that the Figure was compiled incorrectly, and have returned to our source data. Corrected versions of Figs. 3 and 7 are presented below.

These errors did not affect the overall conclusions reported in the present study. We sincerely apologize for our mistake, and thank the reader of our article who drew this matter to our attention. Furthermore, we regret any inconvenience these mistakes have caused.

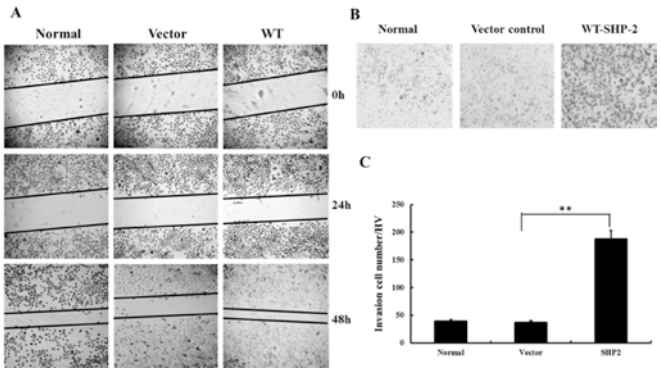

Figure 3. Overexpression of SHP2 enhances migration and invasion of MDA-MB-231 cells. (A) Wound-healing assay was performed to detect the cell migration. Width of the scratch showed the migration ability of the tumor cells. (B) Crystal violet staining of the membrane after Boyden chamber migration assay. (C) Invasive cells were counted using high-power field images at a magnification of ×200 (**P<0.01).

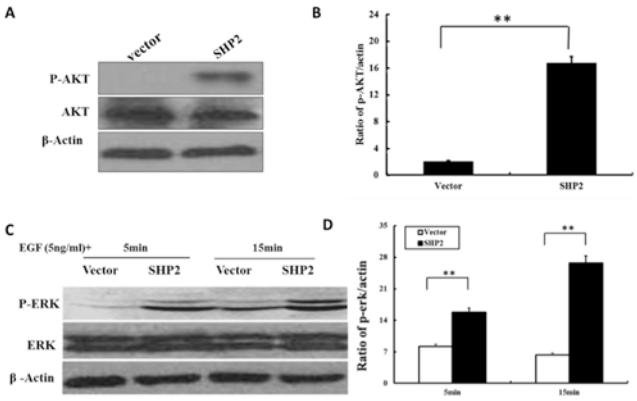

Figure 7. SHP2 overexpression contributes to elevated phospho-Erk/AKT activation in breast cancer cells. (A) Cells were starved for 24 h and stimulated in DMEM with 10% FBS for 2 h. P-AKT, AKT and β-actin were detected by western blotting. (B) Densitometry of the bands from the western blot analysis was analyzed by Image J program. Quantitative analysis of P-AKT was normalized to β-actin protein levels. (C) MB-231 cells were starved overnight and incubated for 5 and 15 min with EGF (5 ng/ml). The activated form of P-ERK was detected by western blotting. (D) Densitometry of the bands from the western blot analysis was analyzed by Image J program. Quantitative analysis of P-ERK was normalized to β-actin protein levels (**P<0.01).