Erratum to: "Multilevel defects in the hematopoietic niche in essential thrombocythemia"

Ting Sun,[1,3] Mankai Ju,[1,3] Xinyue Dai,[1] Huan Dong,[1] Wenjing Gu,[1] Yuchen Gao,[1] Rongfeng Fu,[1,3-5] Xiaofan Liu,[1,3-5] Yueting Huang,[1,3-5] Wei Liu,[1,3-5] Ying Ch,[1,3-5] Wentian Wang,[1,3-5] Huiyuan Li,[1,3-5] Yuan Zhou,[1,4,7] Lihong Shi,[1,4,6,7] Renchi Yang,[1-6] and Lei Zhang[1-7]

[1]State Key Laboratory of Experimental Hematology; [2]National Clinical Research Center for Blood Diseases; [3]Institute of Hematology & Blood Diseases Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College; [4]Tianjin Laboratory of Blood Disease Gene Therapy; [5]CAMS Key Laboratory of Gene Therapy for Blood Diseases; [6]CAMS Center for Stem Cell Medicine and [7]PUMC Department of Stem Cell and Regenerative Medicine, Tianjin, China

Correspondence: L.Zhang
zhanglei1@ihcams.ac.cn

R.Yang
rcyang@ihcams.ac.cn

L. Shi
shilihongxys@ihcams.ac.cn

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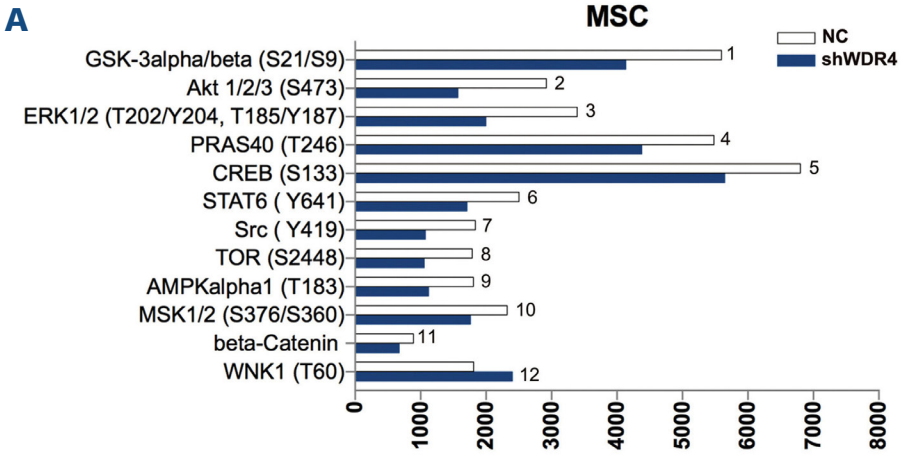
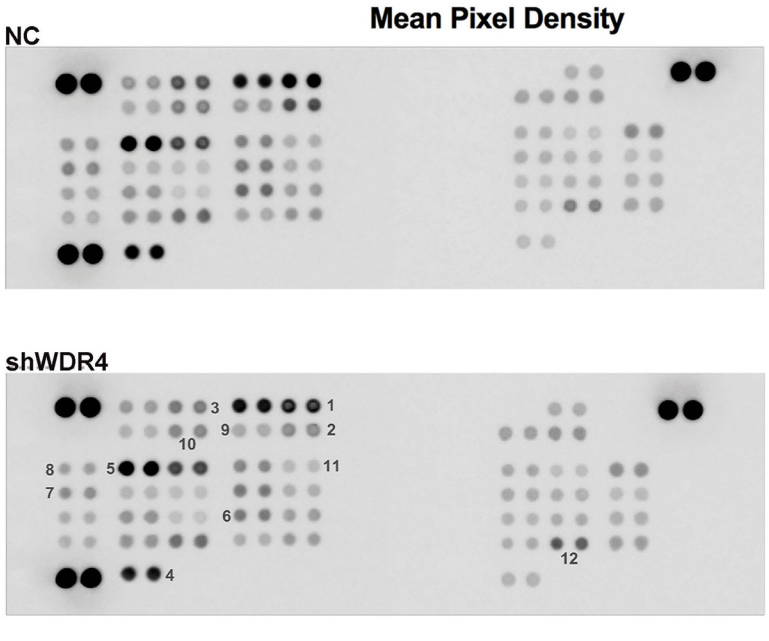
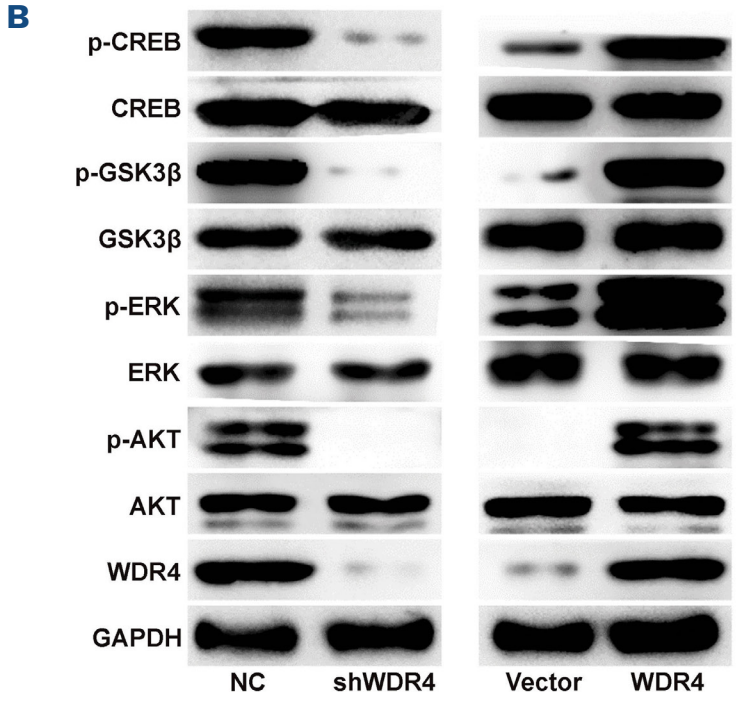
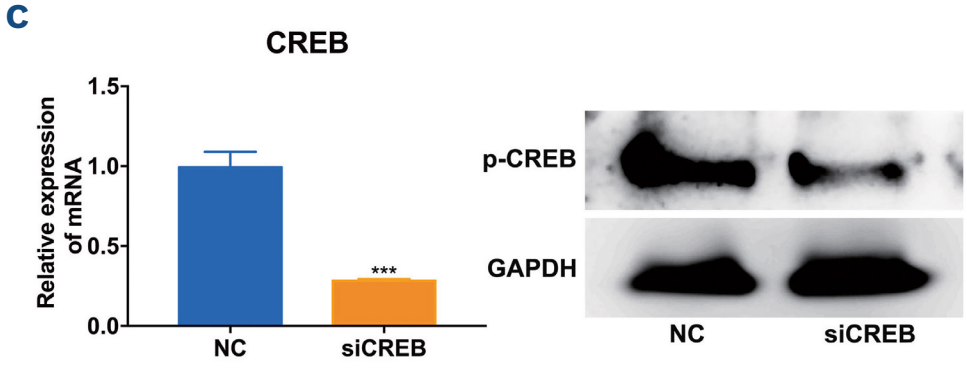
In the original version of our article, "Multilevel defects in the hematopoietic niche in essential thrombocythemia",[1] Figure 5D and Figure 7C displayed a similar GAPDH immunoblot.
The correct Figure 7 is shown here. The authors apologize for this error and state that this does not change the scientific conclusions of the study.









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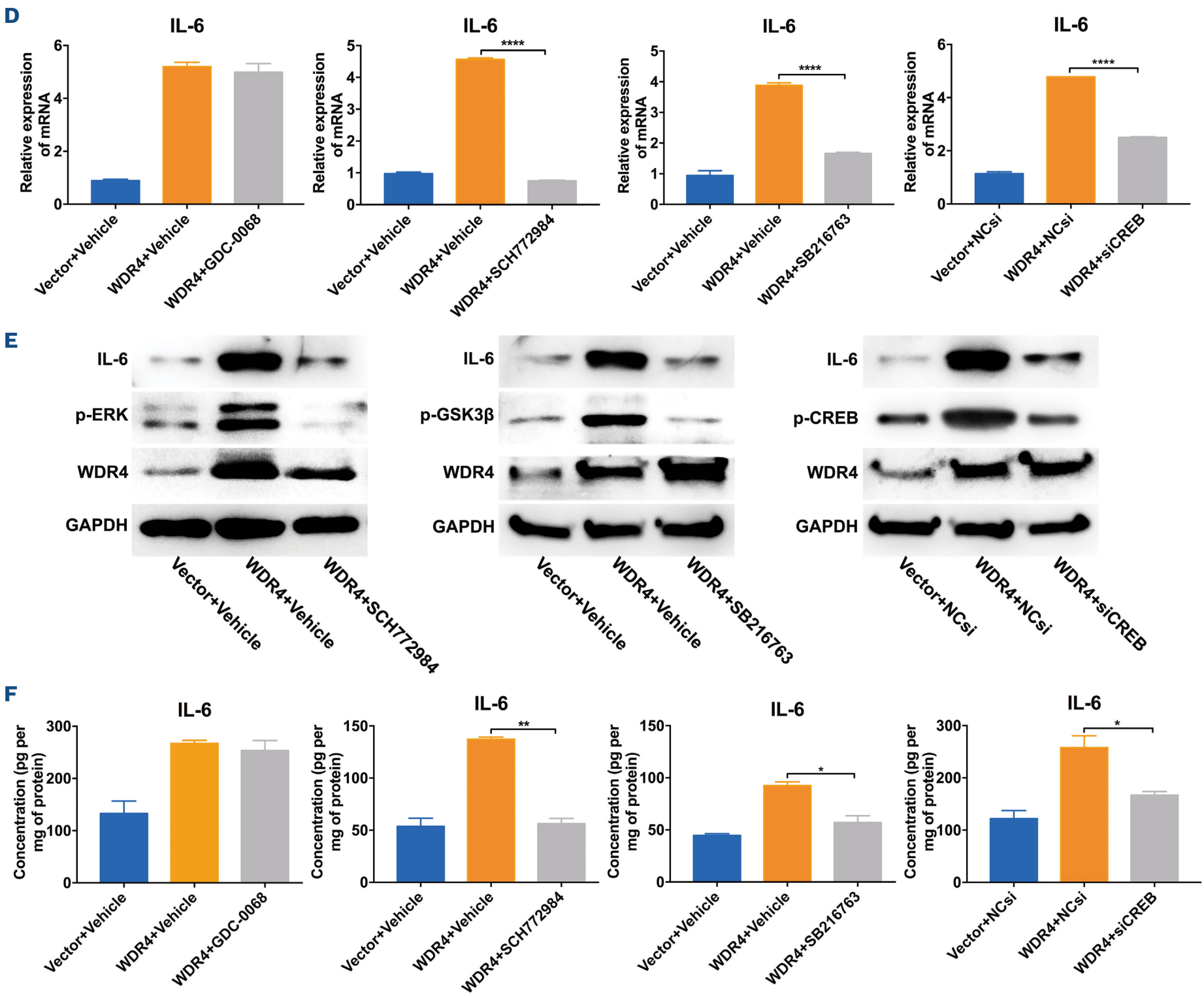

Figure 7. WDR4 acts through the ERK–GSK3β–CREB pathway to enhance IL-6 expression and secretion by bone marrow derived mesenchymal stromal cells. (A) Graphic representation of the quantification of 12 proteins with the most significant difference in phosphorylation status between mesenchymal stromal cells (MSC) infected with LV-shWDR4 and MSC in the control group, as measured by a phospho-kinase array of 43 phosphorylated kinases. (B) Western blot analysis of phosphorylation levels of GSK3β (S9), AKT1/2/3 (S472/S473/S474), ERK1/2 (T202/Y204, T185/Y187), and CREB (S133) in MSC infected with LV-shWDR4 or LV-WDR4 and their respective controls. (C) CREB-specific small interfering RNA (siRNA) decreased CREB expression in bone marrow MSC (BM-MSC) efficiently, as determined by quantitative polymerase chain reaction (qPCR) and western blotting. D–F. IL-6 induction by WDR4 overexpression was at least partially suppressed by an ERK1/2 inhibitor (SCH772984), GSK3 inhibitor (SB216763), or CREB-specific siRNA as determined by qPCR (D), Western blotting (E), and ELISA (F). MSC used in each assay were at passage four. All the experiments were repeated at least 3 times. **P*<0.05; ***P*<0.01; ****P*<0.001; *****P*<0.0001. Data are presented as the mean ± standard deviation. NC: normal control.

References

1. Sun T, Ju M, Dai X, et al. Multilevel defects in the hematopoietic niche in essential thrombocythemia. Haematologica. 2020;105(3):661-673.