

CORRECTION

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Correction: m6A demethylase ALKBH5 inhibits tumor growth and metastasis by reducing YTHDFs-mediated YAP expression and inhibiting miR-107/LATS2-mediated YAP activity in NSCLC

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Following publication of the original article [1], the authors identified minor errors in Figs. 1 and 5; specifically:

Fig. 1b: Incorrect image used to show expression of ALKBH5 Tumor group (bottom right panel); the correct image is now used.

Fig. 5h: Incorrect image was used for the YTHDF1 band; the correct band is now used.

The corrected figures are given here. The correction does not have any effect on the final conclusions of the paper. The original article has been corrected.

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1. Jin D, Guo J, Wu Y, et al. m6A demethylase ALKBH5 inhibits tumor growth and metastasis by reducing YTHDFs-mediated YAP expression and inhibiting miR-107/LATS2-mediated YAP activity in NSCLC. *Mol Cancer*. 2020;19:40. <https://doi.org/10.1186/s12943-020-01161-1>.



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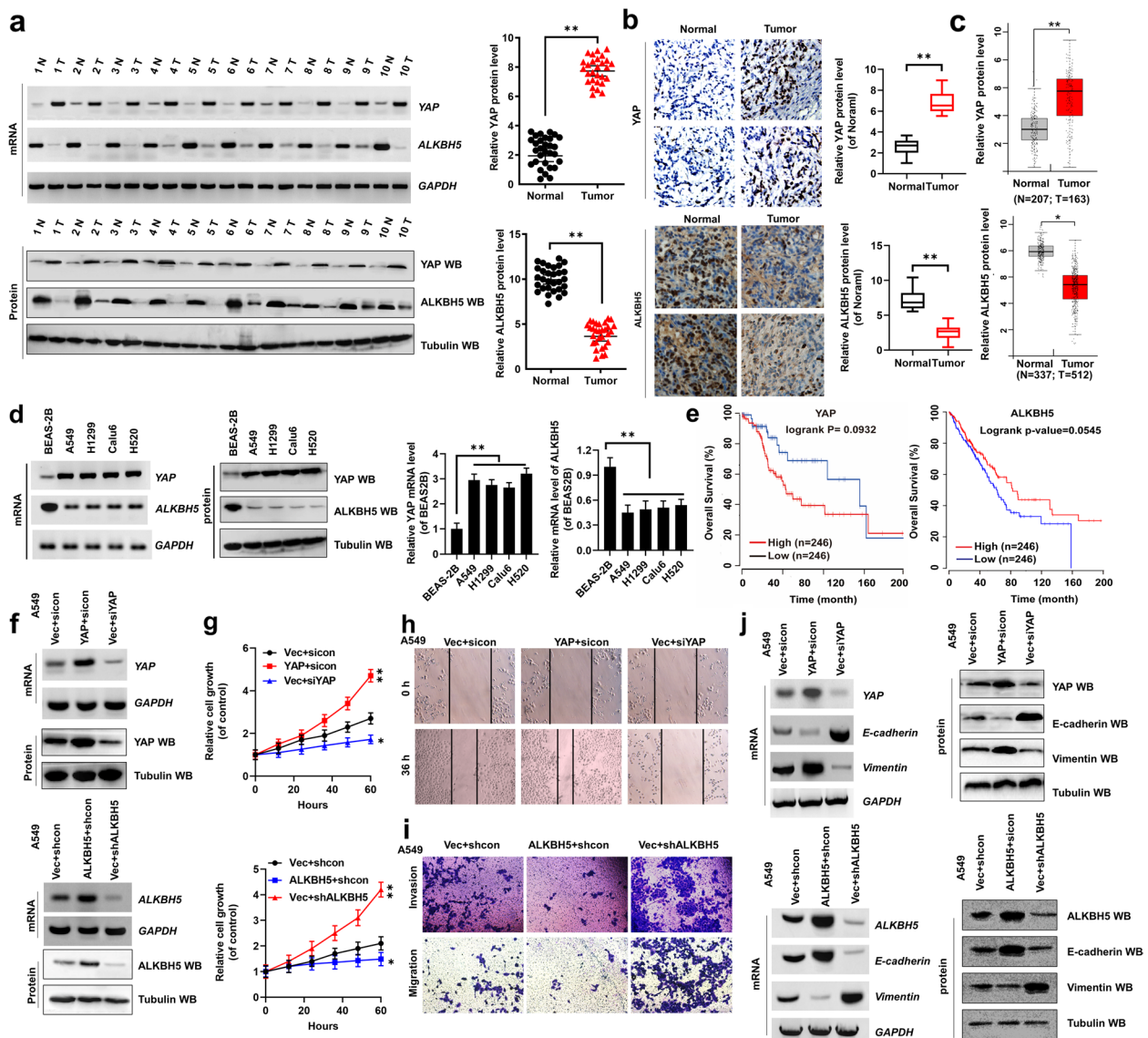


Fig. 1 Ectopic expression of YAP and ALKBH5 regulates cell proliferation, invasion, migration, and EMT in NSCLC cells. **a** The mRNA and protein levels of YAP and ALKBH5 were analyzed by RT-PCR and western blot assays in the paired fresh NSCLC tumor cancer tissues (Tumor) and matched adjacent normal tissues (Normal) (left panel, $n = 10$; right panel, $n = 30$). **b** The expressions of YAP and ALKBH5 were analyzed by immunohistochemical (IHC) assay in the human lung cancer tissues and their normal adjacent lung tissues ($n = 5$). **c** The TCGA database indicated that YAP was higher but ALKBH5 was lower in tumor tissues than their normal tissues. **d** The mRNA and protein levels of YAP and ALKBH5 were analyzed by RT-PCR, qPCR and western blot assays in NSCLC cell lines and their control (normal) cell, BEAS-2B. **e** High expression of YAP ($P = 0.00932$) but low expression of ALKBH5 ($P = 0.00545$) were associated with worse prognosis for NSCLC patients. (f-j) A549 cells were transfected with indicated genes of YAP and ALKBH5. **f** The expressions of YAP and ALKBH5 were analyzed by RT-PCR and western blot assays. **g** The cellular growth was analyzed by CCK8 assay. **h** The migration viability was analyzed by scratch assay. **i** The cellular invasion and migration growths were analyzed by transwell assay. **j** The expressions of E-cadherin and Vimentin were analyzed by RT-PCR and western blot assays. Results were presented as mean \pm SD of three independent experiments. * $P < 0.05$ or ** $P < 0.01$ indicates a significant difference between the indicated groups

