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Corrigendum: Proteasome inhibitor YSY01A abrogates constitutive STAT3 signaling via down-regulation of Gp130 and JAK2 in human A549 lung cancer cells

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A Corrigendum on

[Proteasome inhibitor YSY01A abrogates constitutive STAT3 signaling via down-regulation of Gp130 and JAK2 in human A549 lung cancer cells](#)

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In the published article, there was an error in [Figures 3A, B](#) and [Figures 4A, C](#) as published. The bands of some proteins shared the same control treated with DMSO vehicle. To avoid misunderstanding, [Figures 3A, B](#) and [Figures 4A, C](#) were replaced with the images from other repetitive experiments. The corrected [Figures 3, 4](#) and their captions appear below.

In the published article, there was an error in the legends for [Figure 3](#) and [Figure 4](#) as published. The captions were changed to improve clarity. The corrected legends appear below.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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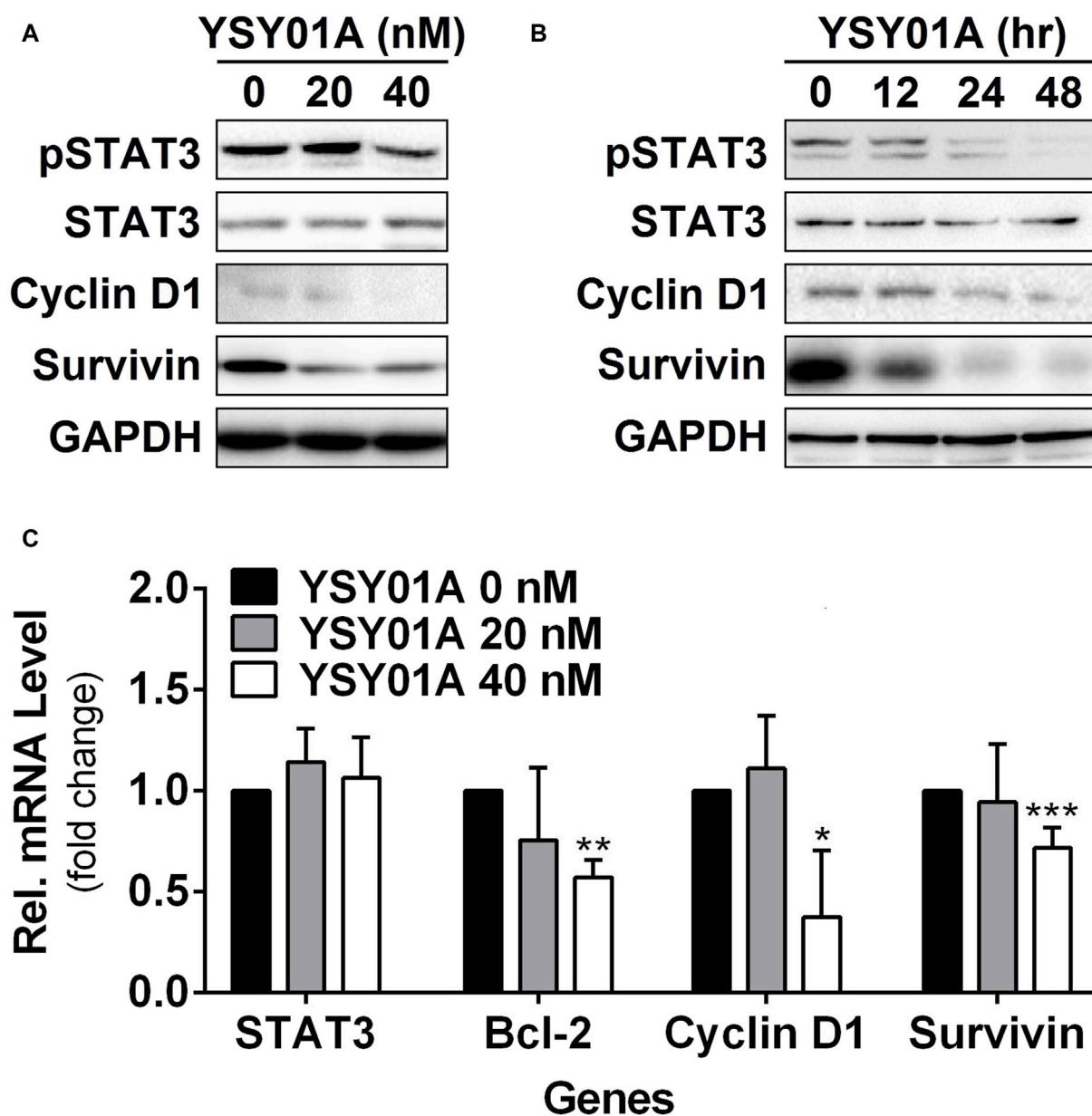


FIGURE 3 Effect of YSY01A on regulatory proteins important for cell proliferation and anti-apoptosis in A549 cells. **(A)** Expression levels of specific proteins important for cell proliferation and anti-apoptosis in a dose-response study. 24 h after seeding, A549 cells were exposed to 0 (vehicle control), 20 or 40 nM YSY01A for 48 h followed by sample collection and immunoblot analysis. GAPDH was used as a loading control. **(B)** Expression levels of specific proteins important for cell proliferation and anti-apoptosis in a time-course experiment. 24, 48 or 60 h after seeding, A549 cells were exposed to 40 nM YSY01A for 48, 24 or 12 h, respectively. Vehicle-treated cells were used as the 0-h control. At the end of study, all cell samples were harvested and subjected to immunoblot analysis of specific protein expression. GAPDH was used as a loading control. **(C)** Following the treatment as indicated, A549 cells were harvested for real-time qPCR analysis of selected genes. GAPDH was used as an internal control. (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, by Student's t-test as compared with vehicle control).

