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# Corrigendum: Sestrin2-mediated autophagy contributes to drug resistance *via* endoplasmic reticulum stress in human osteosarcoma

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## KEYWORDS

Sestrin2, apoptosis, autophagy, drug resistance, endoplasmic reticulum stress

## A Corrigendum on

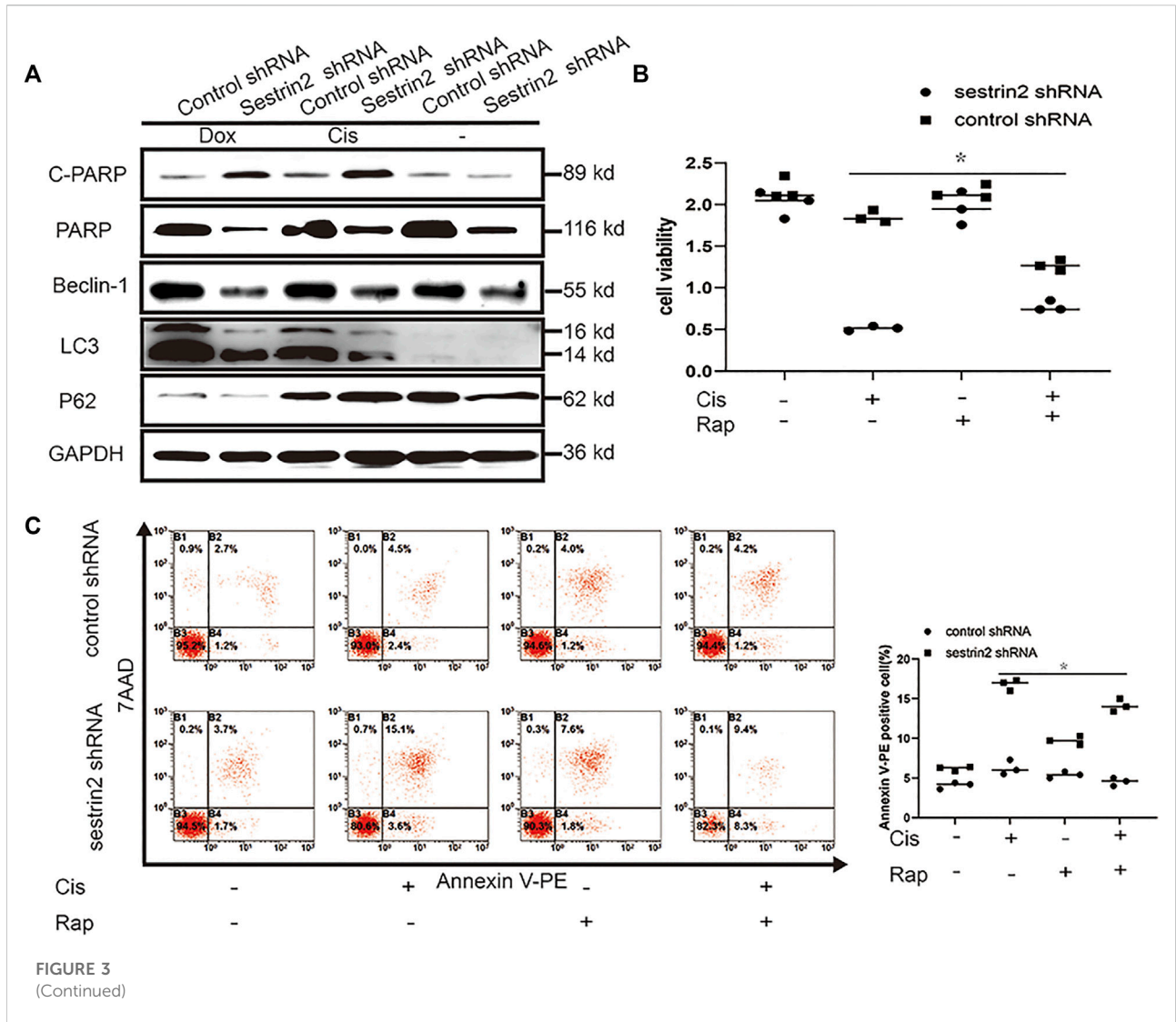
[Sestrin2-mediated autophagy contributes to drug resistance \*via\* endoplasmic reticulum stress in human osteosarcoma](#)

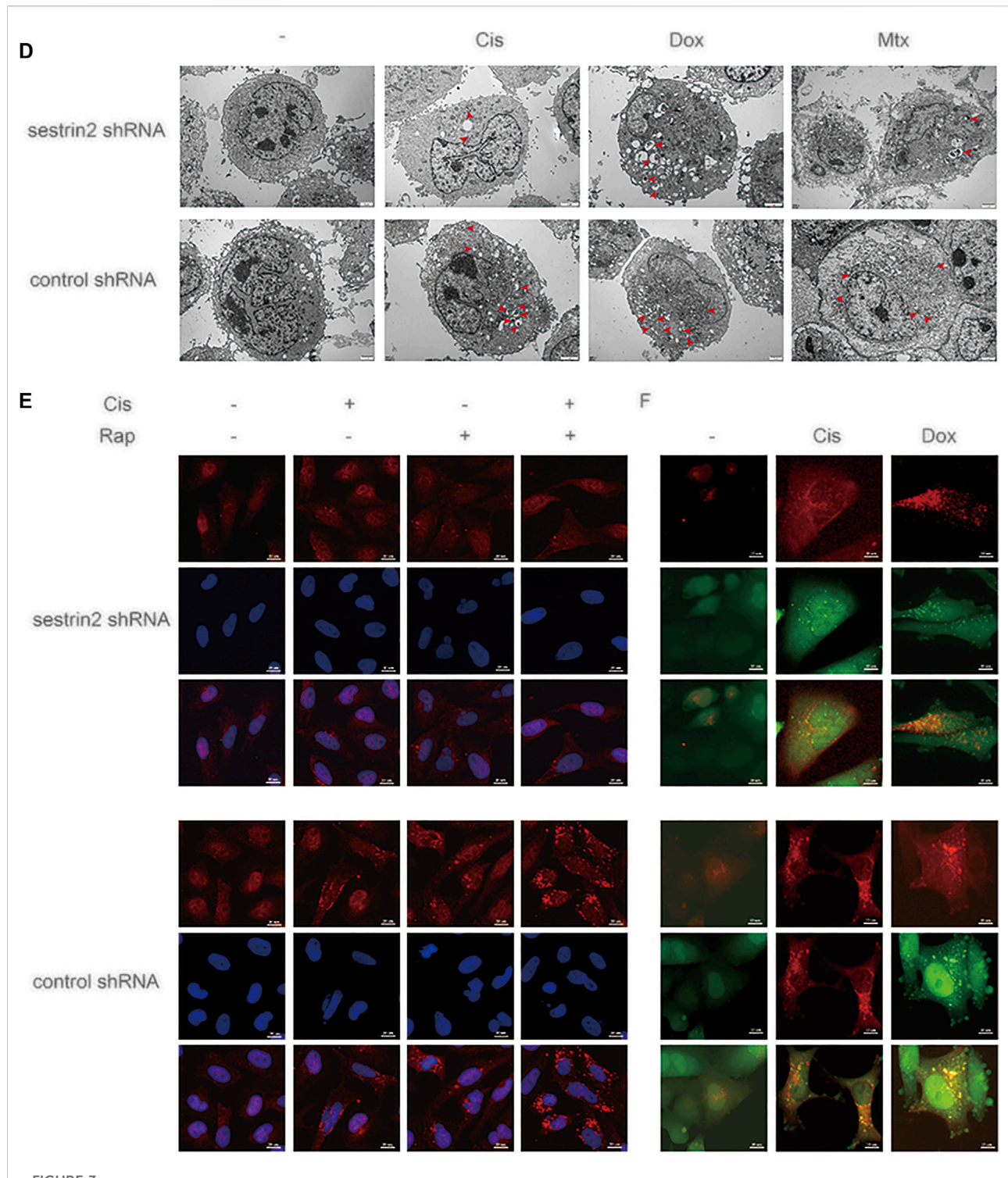
by Tang Z, Wei X, Li T, Wang W, Wu H, Dong H, Liu Y, Wei F, Shi L, Li X, Guo Z and Xiao X (2021).  
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In the original article, there was a mistake in [Figures 3D,E, 4E](#) as published. The transmission electron microscopy shown in [Figures 3D, 4E](#), and immunofluorescence in [Figure 3E](#) were mistakenly used.

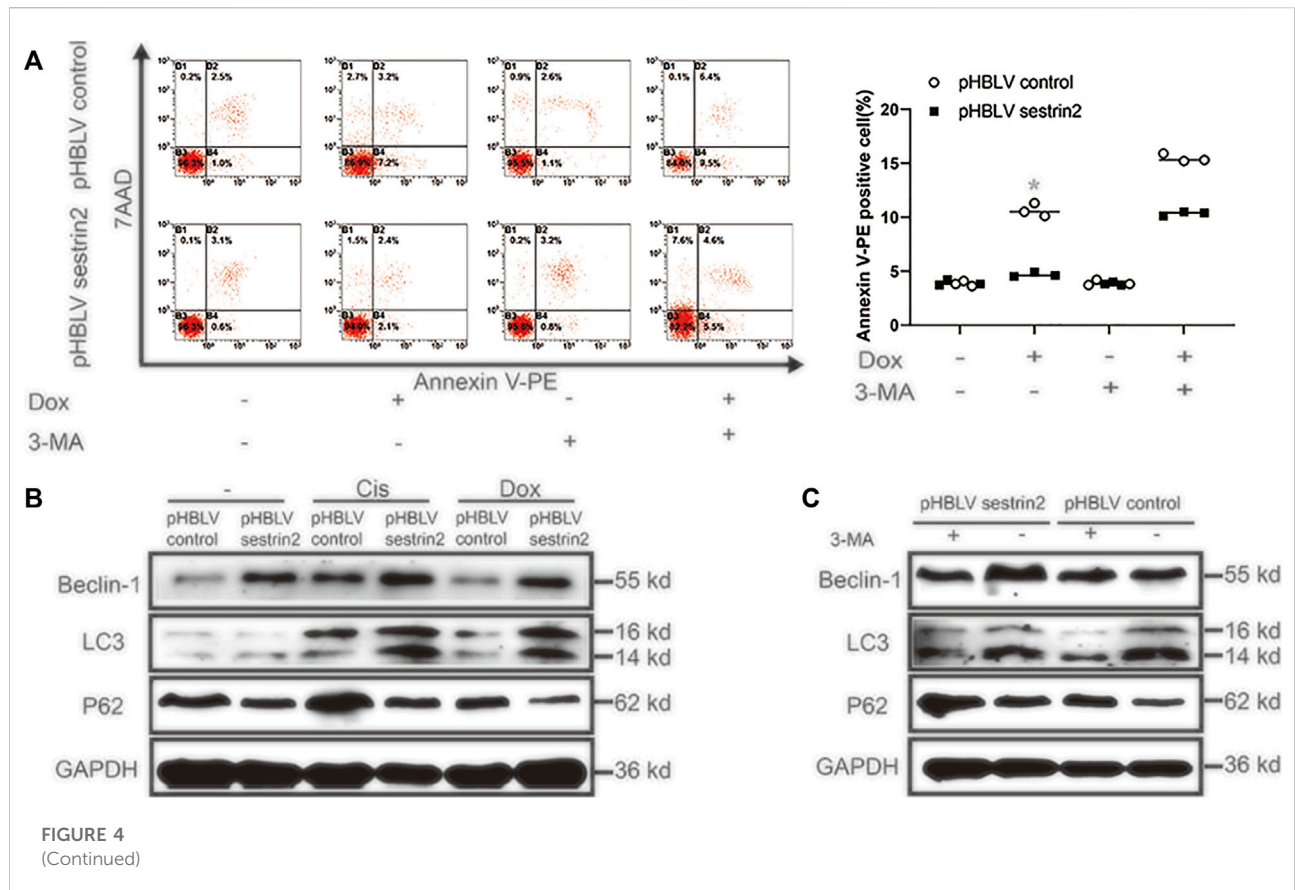
The red arrows in the figure legends of [Figures 3, 4](#) are autophagosomes.

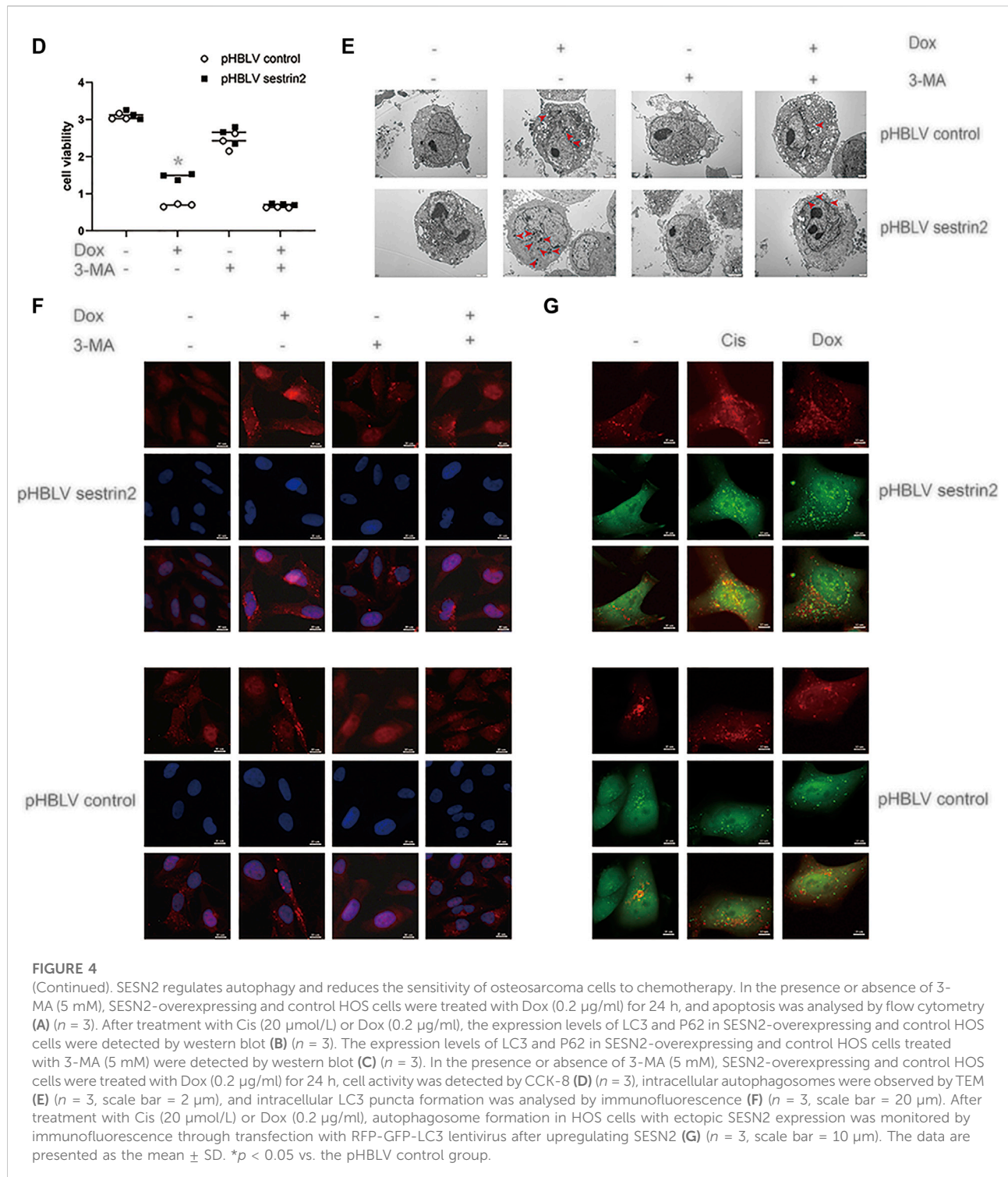
The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.



**FIGURE 3**

(Continued). Knockdown of SESN2 resulted in inhibited autophagy and increased apoptosis of osteosarcoma cells treated with chemotherapy. After treatment with Cis (20  $\mu\text{mol/L}$ ), Dox (0.2  $\mu\text{g/ml}$ ), or Mtx (50  $\mu\text{mol/L}$ ) for 24 h, SESN2-knockdown and control cells were subjected to western blot to detect the expression of cleaved and total PARP, LC3, and P62 expression levels (A) ( $n = 3$ ). SESN2-knockdown HOS cells were treated with Cis (20  $\mu\text{mol/L}$ ) for 24 h with or without rapamycin (100 nmo/L) for 6 h. Proliferation was analysed by CCK-8 assay (B) ( $n = 3$ ), apoptosis was assessed by Annexin V-PE/PI staining (C) ( $n = 3$ ), and LC3 puncta formation was analysed by immunofluorescence (E) ( $n = 3$ , scale bar = 20  $\mu\text{m}$ ). Intracellular autophagosomes were observed by TEM (D) ( $n = 3$ , scale bar = 2  $\mu\text{m}$ ), and autophagic flux was monitored by fluorescence microscopy in HOS cells with transient expression of GFP-RFP-LC3 in HOS cells (F) ( $n = 3$ , scale bar = 10  $\mu\text{m}$ ). The data are presented as the mean  $\pm$  SD. \* $p < 0.05$  vs. the Control shRNA group.





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