



OPEN

Retraction Note: Cardiac arrest triggers hippocampal neuronal death through autophagic and apoptotic pathways

Published online: 25 February 2025

Derong Cui, Hanbing Shang, Xiaoli Zhang, Wei Jiang & Xiaofeng Jia

Retraction of: *Scientific Reports* <https://doi.org/10.1038/srep27642>, published online 08 June 2016

The Editors have retracted this Article. Following the publication of this article, image concerns were raised regarding similarities between panels within this Article and with a previously published article [1]

- Figure1B and 1E LC3-I and LC3-II blots.
- Figure 2I, 5B, and 5E GAPDH blots.
- Figure 4B GAPDH (from lanes 3–6) and 6E GAPDH (from lanes 1–4) blots.
- Figure 7A and 7C hippocampus sections in CA+BFA, CA+3-MA (3h after ROSC) and CA+3-MA (6h after ROSC) groups.
- Figure S4 CA+DMSO and CA+3-MA (1.5 h after ROSC) all subpanels.
- Multiple overlaps between Figures 7A & 7C and Figures 8A, C, E, F, and G of [1].
- Multiple overlaps between Figures S1A & S1B and Figures 10A and 10B of [1].

The Authors were able to provide some of the original data upon request but that did not resolve all the concerns. The Editors therefore no longer have confidence in the data underlying this Article.

Xiaofeng Jia agrees with this retraction. Derong Cui has not explicitly stated if they agree or disagree with this retraction. None of the remaining Authors has responded to any correspondence from the Editor or Publisher about this retraction.

Reference

1. Cui, D. et al. Propofol prevents autophagic cell death following oxygen and glucose deprivation in PC12 cells and cerebral ischemia-reperfusion injury in rats. *PLoS ONE* 7(4), e35324. <https://doi.org/10.1371/journal.pone.003532> (2012).

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Publisher 2025