

OPEN ACCESS

EDITED AND REVIEWED BY Zhenhua Li, Jinan University, China

*CORRESPONDENCE

Jianguo Hu,

☑ jghu9200@bbmc.edu.cn

[†]These authors have contributed equally to

RECEIVED 10 March 2025 ACCEPTED 21 March 2025 PUBLISHED 27 March 2025

CITATION

Huang J, Li J, Geng Z, Yin L, Niu M, Li Q, Liu X, Cheng X, Zhang X, Song X, Wang Y, Wang L, Zuo L and Hu J (2025) Corrigendum: Cynaroside ameliorates TNBS-induced colitis by inhibiting intestinal epithelial cell apoptosis via the PI3K/AKT signalling pathway. *Front. Pharmacol.* 16:1591086. doi: 10.3389/fphar.2025.1591086

COPYRIGHT

© 2025 Huang, Li, Geng, Yin, Niu, Li, Liu, Cheng, Zhang, Song, Wang, Wang, Zuo and Hu. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these

Corrigendum: Cynaroside ameliorates TNBS-induced colitis by inhibiting intestinal epithelial cell apoptosis via the PI3K/AKT signalling pathway

Ju Huang^{1,2†}, Jing Li^{1,2†}, Zhijun Geng^{2,3†}, Lixia Yin^{1,2}, Minzhu Niu², Qingqing Li^{1,4}, Xinyue Liu², Xinke Cheng², Xiaofeng Zhang², Xue Song^{2,3}, Yueyue Wang^{1,2}, Lian Wang², Lugen Zuo² and Jianguo Hu^{1,2}*

¹Department of Clinical Laboratory, First Affiliated Hospital of Bengbu Medical University, Bengbu, Anhui, China, ²Anhui Province Key Laboratory of Basic and Translational Research of Inflammation-Related Diseases, First Affiliated Hospital of Bengbu Medical University, Bengbu, Anhui, China, ³Department of Central Laboratory, First Affiliated Hospital of Bengbu Medical University, Bengbu, Anhui, China, ⁴Department of Clinical Laboratory, The Third the People's Hospital of Bengbu, Bengbu, Anhui, China

KEYWORDS

Crohn's disease, cynaroside, IECs apoptosis, colonic organoids, PI3K/AKT

A Corrigendum on

Cynaroside ameliorates TNBS-induced colitis by inhibiting intestinal epithelial cell apoptosis via the PI3K/AKT signalling pathway

by Huang J, Li J, Geng Z, Yin L, Niu M, Li Q, Liu X, Cheng X, Zhang X, Song X, Wang Y, Wang L, Zuo L and Hu J (2025). Front. Pharmacol. 15:1496068. doi: 10.3389/fphar.2024.1496068

In the published article, there was an error in Figure 7 as published. Two Western blot (WB) strips were misused in Figure 7L (markers: Cas3 and GAPDH). The incorrect strips in Figure 7L were mistakenly used from two strips in **Figure 8G** (markers: Cas3 and GAPDH). The corrected Figure 7 and its caption appear below.

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.

Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

Huang et al. 10.3389/fphar.2025.1591086

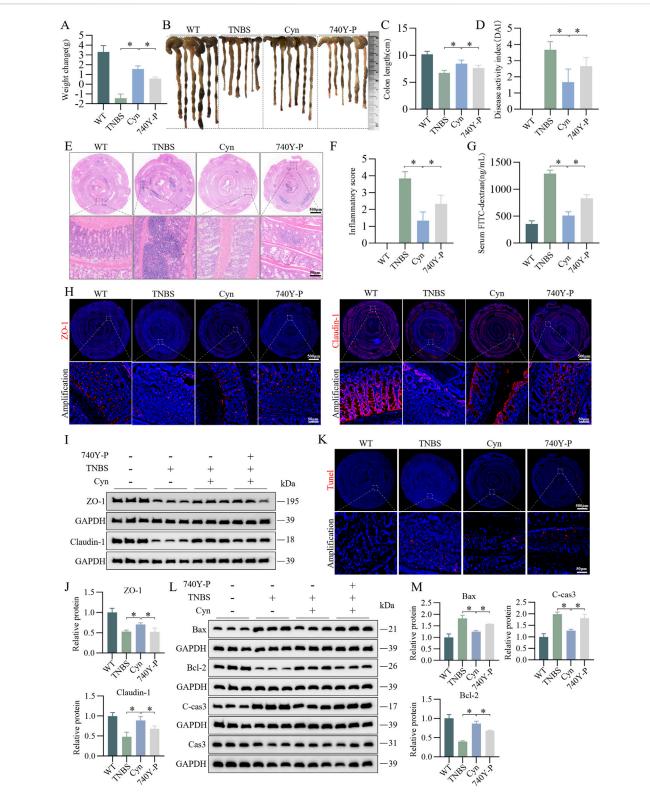


FIGURE 7 Cyn suppresses IEC apoptosis through inhibition of the PI3K/AKT signalling pathway in TNBS mice. (A) Changes in mouse weight. (B, C) Appearance of mouse colon and colon length. (D) DAI scores. (E, F) Colon inflammation scores and H&E staining for each mouse group. (G) FITC-dextran (FD4) levels in mouse blood. (H) Immunofluorescence analysis of ZO-1 and Claudin-1 in mouse colon tissues. (I, J) Western blot analysis of ZO-1 and Claudin-1 in mouse colon mucosa tissues, with relative quantification of protein levels. (K) TUNEL staining of colon tissues from mice. (L, M) Western blot analysis of apoptosis-related proteins in mouse colon mucosa tissues, with relative quantification of protein levels. Data are presented as means \pm standard deviations, n = 6, *p < 0.05.