PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 84589

Title: 18β-glycyrrhetinic acid inhibits proliferation of gastric cancer cells through regulating the miR-345-5p/TGM2 signaling pathway

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 03731081

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer’s Country/Territory: Russia

Author’s Country/Territory: China

Manuscript submission date: 2023-03-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-20 19:43

Reviewer performed review: 2023-03-22 14:49

Review time: 1 Day and 19 Hours

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<tr>
<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[ Y] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
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<td>[ ] Grade D: Fair</td>
<td>[ ] Grade E: Do not publish</td>
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<th>Novelty of this manuscript</th>
<th>[ ] Grade A: Excellent</th>
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<td>[ ] Grade D: No novelty</td>
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<th>Creativity or innovation of this manuscript</th>
<th>[ ] Grade A: Excellent</th>
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<td>[ ] Grade D: No creativity or innovation</td>
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SPECIFIC COMMENTS TO AUTHORS
This original experimental manuscript is very interesting. The authors substantiated a promising method of gastric cancer chemotherapy. Treatment of gastric cancer is based on molecular genetic mechanisms of inhibition of carcinogenesis by 18β-glycyrrhetinic acid. The study was done in accordance with the requirements of evidence-based medicine. The manuscript is well illustrated. This scientific research is of great practical importance for clinical oncology. 18β-glycyrrhetinic acid needs clinical trials in the hospital among cancer patients with gastric cancer. The manuscript is recommended for publication in the World Journal of Gastroenterology.
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Manuscript NO: 84589
Title: 18β-glycyrrhetinic acid inhibits proliferation of gastric cancer cells through regulating the miR-345-5p/TGM2 signaling pathway
Provenance and peer review: Unsolicited manuscript; Externally peer reviewed
Peer-review model: Single blind
Reviewer’s code: 05754965
Position: Peer Reviewer
Academic degree: PhD
Professional title: Postdoc
Reviewer’s Country/Territory: United States
Author’s Country/Territory: China
Manuscript submission date: 2023-03-20
Reviewer chosen by: AI Technique
Reviewer accepted review: 2023-04-03 14:28
Reviewer performed review: 2023-04-09 21:04
Review time: 6 Days and 6 Hours

Scientific quality

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SPECIFIC COMMENTS TO AUTHORS
I have the following comments for the authors: (1) There are so many miRNAs with altered expression level. Why did the authors choose miR-345-5p to study but not others? (2) miR-345-5p mimic and inhibitor should be used to determine the regulation of TGM2 by miR-345-5p. (3) Restoration assays are needed to demonstrate that the effect of 18β-GRA is through miR-345-5p/TGM2 axis. (4) In your working model, miR-345-5p was mistakenly showed as miR-204-3p. (5) The reference #32 is not suitable for citing.