

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 69063

Title: Recombinant protein Schistosoma japonicum-derived molecule attenuates dextran sulfate sodium-induced colitis by inhibiting miRNA-217-5p to alleviate apoptosis

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05776091

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2021-06-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-17 08:10

Reviewer performed review: 2021-06-17 09:35

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

1- The descriptions in Figure 1 do not fully cover all of the items and should be corrected and supplemented 2- In the result section, Fig 4-D doesn't show the flow cytometry results properly, the specific results of flow cytometry should present. 3- The results presented in this article are presented in more detail in the recent study of the authors (rSj16 Protects against DSS-Induced Colitis by Inhibiting the PPAR- α Signaling Pathway), and this issue should be considered and only new results should be presented. 4- Some of the results are similar to previous study.

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Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05935626

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Indonesia

Author's Country/Territory: China

Manuscript submission date: 2021-06-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-18 18:29

Reviewer performed review: 2021-06-18 20:21

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I would like to congratulate the authors for this manuscript. This study is interesting and brings new perspective. I have some comments about the manuscript: Abstract: Please describe briefly the material and methods used in the study, specify the in-vitro and in-vivo animal study. Introduction: Please point briefly on the points of the study. Remove the last paragraph of the introduction and merge it to the discussion (conclusion part). Materials and Methods: Animals and Ethics: please specify how many mice was used and how they were assigned to the groups, in detail. Were the mice treated with certain treatments, food and water? if so, please clarify. Statistical Analysis: Please provide the dataset of Mean and SD for each group. Discussion: Please add the discussion, especially regarding the result of the study and the possible correlations. Please point out the limitations of your study. References: Please provide according to the guidelines for authors.

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Peer-review model: Single blind

Reviewer's code: 04231802

Position: Peer Reviewer

Academic degree: MD

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Reviewer's Country/Territory: China

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous
	Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS

In this article, the authors investigated the underlying mechanism of *Schistosoma japonicum*-derived molecule (rSj16)'s effect on DSS-induced colitis. The authors showed that rSj16 protect against colitis by inhibiting pro-apoptosis miR-217-5p and increasing anti-apoptosis HNF1B gene. The results are interesting and can be accept after minor revision, but only some minor errors are needed to be rectify. 1. Many standard procedures used in this study as given in materials and methods were not referenced. Please give more details about the nature of the miRNA mimic (for non-specialists). 2. Introduction: Add references and literature elements about miR-217-5p and HNF1B in the gut, the relationship with IBD, the relationship with apoptosis to the second paragraph from the bottom of introduction, which could show the necessity and importance of detecting the level of miR-217-5p in your studies. 3. In many places it was suggests apoptosis of colon rather than the cells which is very confusing to read. 4. The sequences of primers are not complete. For example, mRQ3' Primer (Takara, Kyoto, Japan) - the complete sequence should be given. 5. Some parts of results, such as macroscopic assessment, histologic analysis and clinical scoring, were not discussed to testify and convince the reader of the conclusion. The author should restate the all results in the discussion section to make the article clearer. 6. All the "Sj" in rSj16 should be italic.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor, Doctor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2021-06-16

Reviewer chosen by: Jin-Lei Wang

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Reviewer performed review: 2021-07-31 07:51

Review time: 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

There is no comment.