



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 41799

Title: Mismatched effects of receptor interacting protein kinase-3 on hepatic steatosis and inflammation in non-alcoholic fatty liver disease

Reviewer's code: 03538158

Reviewer's country: Japan

Science editor: Ruo-Yu Ma

Date sent for review: 2018-08-27

Date reviewed: 2018-09-01

Review time: 5 Days

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|---|--|--|---|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language | (High priority) | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" type="checkbox"/> Grade C: Good | polishing | <input type="checkbox"/> Accept | <input type="checkbox"/> Onymous |
| <input type="checkbox"/> Grade D: Fair | <input checked="" type="checkbox"/> Grade C: A great deal of | (General priority) | Peer-reviewer's expertise on the |
| <input type="checkbox"/> Grade E: Do not | language polishing | <input checked="" type="checkbox"/> Minor revision | topic of the manuscript: |
| publish | <input type="checkbox"/> Grade D: Rejection | <input type="checkbox"/> Major revision | <input type="checkbox"/> Advanced |
| | | <input type="checkbox"/> Rejection | <input checked="" type="checkbox"/> General |
| | | | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

Saeed et al. examined the role of necroptosis in NASH using RIP3KO-mice with NC/HF-diet. Study seems to do well. 1. Authors should show the evaluation of apoptosis. 2. "Histological assessment of liver biopsy samples" "1% P/S"? "DPBS"?...



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Authors should ask native English speaker to edit your manuscript again.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism
- No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 41799

Title: Mismatched effects of receptor interacting protein kinase-3 on hepatic steatosis and inflammation in non-alcoholic fatty liver disease

Reviewer’s code: 02702057

Reviewer’s country: Italy

Science editor: Ruo-Yu Ma

Date sent for review: 2018-10-15

Date reviewed: 2018-10-15

Review time: 5 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|---|---|---|---------------------------------------|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language | (High priority) | <input type="checkbox"/> Anonymous |
| <input type="checkbox"/> Grade C: Good | polishing | <input type="checkbox"/> Accept | <input type="checkbox"/> Onymous |
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| | | <input type="checkbox"/> Rejection | <input type="checkbox"/> General |
| | | | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

I read this manuscript entitled “Mismatched effects of receptor interacting protein 3 on hepatic steatosis and inflammation in non-alcoholic fatty liver disease” that deals an important issue of liver biology. In this study, the authors aimed to validate the effects of



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RIP3 in NAFLD as well as clarify the mechanism of action. The authors concluded that RIP3 deletion exacerbates steatosis, and partially inhibit inflammation in HF diet induced NAFLD model. Manuscript's content is interesting and well written, scope is sufficient and concisely expressed, format is appropriate. The paper is original, complete and innovative. However, there are some minor and major concerns that should be resolved before recommend publication. Please strengthen the aim of your study in the abstract. Please improve the introduction section, it is poor and misses in important and fundamental details. It must be improved and updated related to the current literature. The authors should go deeper into different and relevant aspects of NAFLD. I recommend checking the following interesting and fundamental papers, or similar, and comment them in relation to the study topic: Early effects of high-fat diet, extra-virgin olive oil and vitamin D in a sedentary rat model of non-alcoholic fatty liver disease. *Histol Histopathol.* 2018, 33, 1201-1213 doi: 10.14670/HH-18-008. PMID: 29855033. Echocardiography and NAFLD (non-alcoholic fatty liver disease). *Int J Cardiol.* 2016 Oct 15;221:275-9. doi: 10.1016/j.ijcard.2016.06.180. PMID: 27404689. Fatty liver disease and lifestyle in youngsters: diet, food intake frequency, exercise, sleep shortage and fashion. *Liver Int.* 2016 Mar;36(3):427-33. doi: 10.1111/liv.12957. PMID: 26346413. 4Ps medicine of the fatty liver: the research model of predictive, preventive, personalized and participatory medicine-recommendations for facing obesity, fatty liver and fibrosis epidemics. *EPMA J.* 2014 Dec 7;5(1):21. doi: 10.1186/1878-5085-5-21. PMID: 25937854; Please strengthen the aim of your study at the end of the introduction section. Please strengthen and improve the conclusion, adding the clinical relevance of your work and some important suggestions for the scientific community. Please refresh and update the reference list section.

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