



BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

http://www.wjgnet.com

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 17262

Title: MiR-9a-5p regulates the proliferation and migration of HSCs through the inhibition of Sirt1 under pressure

Reviewer's code: 02538244

Reviewer's country: China

Science editor: Yuan Qi

Date sent for review: 2015-02-27 17:17

Date reviewed: 2015-03-11 09:02

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|---|---|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | <input checked="" type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Major revision |
| | | BPG Search: | |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | <input checked="" type="checkbox"/> No | |

COMMENTS TO AUTHORS

In this manuscript authors analyzed miRNA profiling in HSCs. They obtained evidence that miR-9a-5p was upregulated during HSC pressure-overload, and Sirt1 is one of its functional targets. Their observation is interesting that miR-9a-5p , as well as Sirt1,might influences the activation, proliferation and migration of HSCs. Several points are considered. 1. This paper requires extensive revision with regard to English language usage and grammar. 2. The miRNA quantitation by qPCR was not demonstrated in the manuscript. 3. miRNA target prediction and GO analysis were not demonstrated in the manuscript. The text needs well organized. 4. Authors should provide detailed information of the tool used in this study ,like pmir-Report-sirt1,etc.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 17262

Title: MiR-9a-5p regulates the proliferation and migration of HSCs through the inhibition of Sirt1 under pressure

Reviewer's code: 00071662

Reviewer's country: Turkey

Science editor: Yuan Qi

Date sent for review: 2015-02-27 17:17

Date reviewed: 2015-03-12 21:46

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|---|--|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> No | <input type="checkbox"/> Major revision |
| | | BPG Search: | |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | <input type="checkbox"/> No | |

COMMENTS TO AUTHORS

The idea is original and it worth to be evaluated



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 17262

Title: MiR-9a-5p regulates the proliferation and migration of HSCs through the inhibition of Sirt1 under pressure

Reviewer’s code: 02521203

Reviewer’s country: United States

Science editor: Yuan Qi

Date sent for review: 2015-02-27 17:17

Date reviewed: 2015-03-13 03:10

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|--|---|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input checked="" type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good | <input checked="" type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input checked="" type="checkbox"/> Plagiarism | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | [Y] No | <input type="checkbox"/> Major revision |
| | | BPG Search: | |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | [Y] No | |

COMMENTS TO AUTHORS

This is an interesting study by Qi et al, the authors have investigated the miRNA profiles in HSCs exposed to pressure overload. The experiment are carefully designed and carried out. However the English language needs to be extensively revised for clarity. Specific comments: 1. How many animals were used in the control and experiment group? 2. Under “pressure loading” section, please specify what amendments were used? 3. Under “western blot analysis” section, no results can be found with these antibodies: phospho-Akt, Erk, phospho-Erk1/2, please clarify. How much protein were loaded? 4. Under “cell migration assay” section, please rewrite this section for clarity. 5. Figure 3B, a quantification in the form of a column graph would better represent the change in cell cycle. Labelling is should be consistent, “pressure” or “pressurization”