



### PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 61129

**Title:** Depletion of MRPL35 inhibits the proliferation of gastric carcinoma by regulating downstream signaling protein

**Reviewer's code:** 00607640

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** Taiwan

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-12-22

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2021-01-08 08:50

**Reviewer performed review:** 2021-01-12 22:00

**Review time:** 4 Days and 13 Hours

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 Grade E: Do not publish            |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



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#### **SPECIFIC COMMENTS TO AUTHORS**

Authors studied the potential role of MRPL35, a member of the large subunit family of mitochondrial ribosomal protein, in gastric cancer. The work suggests interesting targets for gastric cancer therapy. However, some minor issues are recommended be added or corrected before being published. - Abstract: Abbreviations (such as "GC" ..., etc) should be with its full name when it firstly appears and keyword "iTRAQ" is absent in the Abstract. - "n value" is suggested to be added in all figures' legend.



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 61129

**Title:** Depletion of MRPL35 inhibits the proliferation of gastric carcinoma by regulating downstream signaling protein

**Reviewer's code:** 03976790

**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Emeritus Professor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-12-22

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2021-01-08 10:13

**Reviewer performed review:** 2021-01-13 09:50

**Review time:** 4 Days and 23 Hours

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



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## SPECIFIC COMMENTS TO AUTHORS

Comments on the manuscript: " Depletion of MRPL35 inhibits the proliferation of gastric carcinoma by regulating downstream signaling protein." MRPL35, a member of the large subunit family of mitochondrial ribosomal protein is associated with the occurrence and development of several cancers. In this study, correlation was researched between MRPL35 and gastric carcinoma. For this, the authors used several method and techniques such as tissues microarray, cell function experiments, mouse tumor formation, and proteomic analysis. The results showed that the expression of MRPL35 was significantly increased in tissues of gastric cancers. In the discussion, the authors propose that genetic knockdown of MRPL35 could inhibit the proliferation of human GC cells and promote apoptosis. This consistent study is interesting and useful. The authors used several methods to investigate the effects of MRPL5 on gastric cancers. the manuscript is well written and very understandable for the reader even if he is not a specialist. However, the manuscript needs to be improved before considering publication. Below are some remarks Page 2, line 3 : Abstract: clarify what GC means (gastric carcinoma). Page 3, immunohistochemical staining. Some details on the IHC technique are missing. Was the staining done on living or fixed cells? In the latter case, what was the fixative? How many sections have been stained,  $2 \times 75 = 150$ ?. Have controls been carried out, for example by omission of primary or secondary antibody? What was the method of staining and counterstaining? What was the method of control used? Peroxidases or others? Was there a method of amplifying the signal? What was the chromogen used? please complete this part. Page 3 : What is the sign between "the area of" and "positively"? Page 4 : " coomassie brilliant blue staining": write "Coomassie" instead "coomassie" (with a capital letter). Page 7, figure 2A : I counted  $16 \times 8 = 128$  stained sections. In the legend and the text, twice 75 sections were stained. Where do the



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sections in Figure 1A come from? in the same figure, how many tissues come from carcinomas? How many are from adjacent tissues? How many are controls? An insert in figure 2B or 2C showing controls would be useful. Page 8, "The expression of MRPL35 in GC cells": the number and the legend of the table are missing. In the table: correct "male" instead "meale" Page 13, discussion: no bibliographic reference is given in the discussion?



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 61129

**Title:** Depletion of MRPL35 inhibits the proliferation of gastric carcinoma by regulating downstream signaling protein

**Reviewer's code:** 03976790

**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Emeritus Professor

**Reviewer's Country/Territory:** France

**Author's Country/Territory:** China

**Manuscript submission date:** 2020-12-22

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-02-06 09:55

**Reviewer performed review:** 2021-02-07 08:52

**Review time:** 22 Hours

|                                 |  |
|---------------------------------|--|
| <b>Scientific quality</b>       | <input checked="" type="checkbox"/> Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good<br>[ ] Grade D: Fair [ ] Grade E: Do not publish                                 |
| <b>Language quality</b>         | <input checked="" type="checkbox"/> Grade A: Priority publishing [ ] Grade B: Minor language polishing<br>[ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection |
| <b>Conclusion</b>               | [ ] Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority)<br>[ ] Minor revision [ ] Major revision [ ] Rejection                                  |
| <b>Peer-reviewer statements</b> | Peer-Review: <input checked="" type="checkbox"/> Anonymous [ ] Onymous<br>Conflicts-of-Interest: [ ] Yes <input checked="" type="checkbox"/> No                                  |

### SPECIFIC COMMENTS TO AUTHORS



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Comments on the revised version of the manuscript: "Depletion of MRPL35 inhibits the proliferation of gastric carcinoma by regulating downstream signaling protein." The manuscript was revised and improved according to the remarks I had made. For me, this manuscript can be published. It would be useful to read it again in order to correct the last typographical errors. Thanks to the authors for their consideration.