

ANSWERING REVIEWERS

May 30, 2015

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 150526 SGF29 review manuscript for revision.docx).

Title: SGF29 and Sry pathway in hepatocarcinogenesis.

Author: Nobuya Kurabe, Shigekazu Murakami, Fumio Tashiro

Name of Journal: *World Journal of Biological Chemistry*

ESPS Manuscript NO: 18806

The manuscript has been improved according to the suggestions of reviewers.

In the attached reply letter, we describe the changes made in response to the reviewer's comments point-by point. The most significant changes are:

- 1) "Conflict-of-interest" and "Core tip" sections were included.
- 2) Some mistyping of words were corrected.
- 3) The detailed description about the one of the SAGA complex member, TAFs, was included in the revised manuscript.
- 4) In the conclusion section of the revised manuscript, relationship between Sry-SGF29-c-Myc axis and human cancer other than HCC was discussed.
- 5) In the conclusion section of the revised manuscript, the issue concerning the upstream regulatory mechanism except for Sry was discussed.
- 6) In the legend of Figure 1, the description about the role of histone H3me2/3 in the tumorigenesis by c-Myc were added.

We believe that our revised manuscript has been corrected properly and suitable for publication in the *World Journal of Biological Chemistry*. Thank you in advance for your kind consideration.

Sincerely yours,
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We would like to appreciate the Editor and Reviewers for giving us proper comments and suggestions. We believe that our revised manuscript is sufficient to reply your comments.

Editor's comment:

- 1) Please offer the postcode.
- 2) A conflict-of-interest statement is required.
- 3) Please write a "Core tip".
- 4) Please offer the audio core tip.

Reply to the editor

- 1) As requested, we included the postcodes on page 1 of the revised manuscript.
- 2) We declared the no conflict of interest on page 1 of the revised manuscript.
- 3) Core tip was provided on page 2 of the revised manuscript.
- 4) We afraid we have to decline the request this time.

Reviewer 1's comment:

- 1) c-Myc was deregulated in many cancer types, does the Sry-SGF29-c-Myc axis contribute to other cancer, such as prostate cancer or other male-specific cancer? These should be discussed in the manuscript.
- 2) Are there any other upstream regulators of SGF29, except Sry? Do they also play some role in SGF29-c-Myc axis in the progression in HCC in?

Reply 1

- 1) As reviewer requested, the description about the relationship the Sry-SGF29-c-Myc axis and human cancer other than HCC was added in the conclusion section of the revised manuscript. We are sorry not to include the valuable information regarding this issue because we have currently no idea about the expression level of SGF29 in cancers other than HCC.
- 2) As reviewer suggested, the involvement of the upstream regulatory factors in the SGF29 transcription was discussed in the conclusion section of the revised manuscript.

Reviewer 2's comment:

Manuscript (review) is well written, shows important data on c-myc functioning during carcinogenesis. Authors would like to publish their contribution to the knowledge on oncogenic potential of the c-myc gene. They summarized that histone acetyltransferase complex, STAGA, is crucial for malignant cell transformation, which is initiated via the c-myc pathway. Summarizing Fig. 1 shows principles on hepatocarcinogenesis. This is sufficient for publication in WJBC.

Reply 2

No correction was suggested.

Reviewer 3's comment:

- 1) On page 3, line 13, the "ribomome" should be "ribosome".
- 2) On page 6, line 1, "dpecific" should be "specific".
- 3) Can you discuss more about the third group of the SAGA complex subunits?
- 4) Fig 1, you should put H3K4me2/3 in. It will easier for readers.
- 5) Proofreading by a native speaker may help significantly.

Reply 3

- 1) and 2) As reviewer suggested, we corrected these words.
- 3) As reviewer requested, more detailed description about the third group of the SAGA complex subunits, TAFs, were inserted into the "Transcriptional regulation of c-Myc via STAGA" section on page 5 of the revised manuscript.
- 4) Because small red circles depicted in the left bottom of Figure 1 have been included, the explanation

for these circles was added to the Figure legend of the revised manuscript on page 23 to 24.

- 5) We are sorry not to find some mistakes in the previous manuscript. Thus, we carried out proofreading by a native speaker to improve that. As a result, we changed the some words and sentences to the appropriate ones according to the suggestion by a native speaker. These improvements were represented in red characters. Besides these corrections, we apologize for making one more mistake about the explanation of the period of foundation. In the previous manuscript, though the proper period of foundation is “2006–2010 (to FT)”, we have described it as “2006–2010 (to FT) and 2010–2012 (to HA)”. Therefore, we removed the sentence, “and 2010–2012 (to HA)” on page 1 of the revised manuscript.