Author’s response to reviews

Title: Study of the antitumor mechanisms of apiole derivatives (AP-02) from Petroselinum crispum through induction of G0/G1 phase cell cycle arrest in human COLO 205 cancer cells

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Author’s response to reviews:

March 20, 2019

Dear Editor,

Thank you for your kind help during the review process for this manuscript. I am pleased to submit our revised manuscript titled “Study of the antitumor mechanisms of apiole derivatives (AP-02) from Petroselinum crispum through the induction of G0/G1 phase cell cycle arrest in human COLO 205 cancer cells” for publication in the BMC Complementary and Alternative Medicine.
The files containing the revised version of the manuscript are attached. We revised the textual overlap with other previously published works of the manuscript according to the editor's comments. We made the statements in the Methods session about the control group in the vivo animal study, the title of our manuscript differs in the submission system was corrected, and the grammatical editing was performed to make it more concise. All the changes are marked in red color in the revised manuscript.

We believe that this manuscript is appropriate for publication in the BMC Complementary and Alternative Medicine because it reports a mechanistic study in which AP-02 was shown to specifically inhibit the wild type p53 bearing colon cancer cells. Our findings are of interest to clinicians and researchers who focus on the novel mechanisms of new drug development.

This manuscript has not been previously published and is not under consideration for publication elsewhere. We have no conflicts of interest to disclose. All authors have read and approved the final version of the manuscript.

Thank you for your consideration, and we look forward to hearing from you.

Sincerely,

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Comments from Editorial Office:

1. We note that the current submission contains some textual overlap with other previously published works.

Response: Thank you for the suggestion. We revised the textual overlap with other previously published works through entire article. We were sorry to make these mistakes but we were unintended. Actually, some of your mentioned articles were the publication of our group before.

2. Animals

In your methods, please clarify if there was a control group in your in vivo study and any treatment they received.

Response: we have added the description at the 1-2th line from the bottom of the second paragraph on page 9, under the heading of “Treatment of COLO 205-derived xenografts in vivo”

3. Title

We notice the title of your manuscript differs in our submission system and on your title page. Please amend one so that they match.

Response: Thank you for the comments. We have corrected this mistake in the submission system.

4. Funding

In the Funding section, please also describe the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript.

Response: Thank you for the comments. We have rewritten the Funding section from the page 16 to 17 as your requests.
5. About the Declarations section must include the mandatory sub-sections as following:

- Ethics approval and consent to participate
- Consent to publish
- Availability of data and materials
- Competing interests
- Funding
- Authors' Contributions
- Acknowledgements
- Authors' Information

Response: we have added the texture of Consent to publish on page 17 of manuscript.

6. About the QC result of references of previous submitted manuscript, there were 1 not checked and 5 not validated references:

Response: we would upload an end-note file to supply and explain this mistake.