

Format for ANSWERING REVIEWERS

April, 2015

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 17306-review.doc).

Title: Neurophysiological Mechanisms of Bradykinin-Evoked Mucosal Chloride Secretion in Guinea Pig Small Intestine

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Name of Journal: *World Journal of Gastroenterology*

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

1. Format has been updated

2. Revision has been made according to the suggestions of the reviewer

Majors: 1. There was a mismatch between Fig. 6 and the text. In the text, authors described the use of PLC inhibitor U73122, PKC inhibitor Bis-I, calmodulin inhibitor W-7, calmodulin-dependent protein kinase inhibitor KN-62, IP3 inhibitor 2-APB, et al. on the stimulation of Isc. However, in Fig. 6, the authors only showed the production of PGE₂. 2. The same mistake was also found in Fig. 7 and the text. In the text, authors described the use of inhibitors U73122 and BisI and W7 and KT5720 did not affect PGE₂ production. In the Fig 7, it was a Summary of authors' conclusion.

Responses: We are sorry for the mismatch of Fig. 6 and Fig. 7 with the text. Because there omitted Fig.6 in the text. Actually, there should be 8 Figures in this manuscript. Now the original Fig.6 was added and the Fig.6 in the manuscript changed to Fig.7 and Fig.7 changed to Fig.8. Fig.6 showed the use of PLC inhibitor U73122, PKC inhibitor Bis-I, calmodulin inhibitor W-7, calmodulin-dependent protein kinase inhibitor KN-62, IP3 inhibitor 2-APB, et al. on the stimulation of Isc. And Fig.7 showed of inhibitors U73122 and BisI and W7 and KT5720 did not affect PGE₂ production. Fig. 8 showed the summery of the conclusion. Thank you very much!

3. How to distinguish the toxicity of these inhibitors and their selective inhibition to the evoke of Isc by BK? If the preincubation of inhibitors are detrimental to the cells in the intestine, it will be

reasonable that BK-evoked Isc will also be affected.

Responses: When check the inhibitors of the signal transduction effect on the evoke of Isc or PGE2 production by BK. Each inhibitor was preincubated with the tissue for 10 mins and the check the Isc. The results showed no change in the Isc after preincubation of the inhibitors. We already add the results in the according part.

Minors: 1. The Font in the bottom line of page 8 is not in the same size.

Responses: We thank the reviewer's suggestion. We already changed it according the reviewer's suggestion.

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,
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