Dear Jing Yu,

Thank you very much for your email on 6th, June, 2015 about our paper submitted to the World Journal of Gastroenterology with the reference number 18718. We were also grateful for the reviewer's kind review and insightful comments.

We have closely followed the reviewers' suggestions, carefully proof-read the manuscript, and made extensive modifications on the original manuscript to minimize typographical, grammatical and bibliographical errors. We also sent our manuscript to American Journal Experts to make the language modification, and you may find the certification attached. According to the reviewers' comments, we added a picture to create a better description of the MAPK pathways. A document answering each point from the reviewer was also enclosed.

The responses to reviewer are listed as follows. Should you have any questions, please contact us without hesitate.

Yours sincerely,

Chang-Zhi Huang, on-behalf of both co-authors.

Comments to Authors by reviewer 02446400:

Comment 1:

In my opinion a table with a synthetic description of the main features of the MAP kinases and one/two pictures on the MAPKS pathways and molecular/enzymatic cascades are needed for a clearer understanding by the reader.

Reply 1:

Thank you very much for your comment. We added a picture to provide a clearer understanding for reader.

Comments to Authors by reviewer 03257101:

Comment 1:

This is a brief and concise review that provides a relevant overview. The review would benefit from including several figures outlining the different relevant signaling pathways and how they interconnect.

Reply 1:

Thank you very much for your comments. We do add a picture to give a clear outline of different signaling pathways.

Comment 2:

The language could use some enhancement.

Reply 2:

Thank you. We carefully proof-read the manuscript, and made extensive modifications on the original manuscript to minimize typographical, grammatical and bibliographical errors. We also sent our manuscript to American Journal Experts to make the language modification