Author's response to reviews

Title: KIAA0101 (OEACT-1), an expressionally down-regulated and growth-inhibitory gene in human hepatocellular carcinoma

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Author's response to reviews: see over
The BioMed Central Editorial Team

Dear Editor:

We are most grateful to your letter of Feb 28 for your kind concern of our submitted manuscript entitle << KIAA0101 (OEACT-1), an expressionally down-regulated and growth-inhibitory gene in human hepatocellular carcinoma>> (1816632289612970). We have carefully reviewed the two Referees’ reports and extensively revised our manuscript according to Review’s criticisms in 3 weeks as you instructed. The revised parts are as following:

Response to Review 1:
1. It is an excellent suggestion to examine the gene expression correlated to cancer etiology and histopathology. We have previously attempted to correlate the etiological factors (mainly HBV infection in HCC China) and clinico-pathological data with state of KIAA0101 protein expression. However, we have not found any correlation between KIAA0101 expression and HBV serological markers as well as histopathology grading (See Supplementary Table I and II). We have added a paragraph in DISCUSSION to mention these data.

2. In the original version, the data of growth suppressive effect on KIAA0101 was based on one HCC cell line HepG2. According to the Review’s comment, we have repeated the experiments with the other HCC cell line Hep3B and obtained the same results. The data was illustrated as Fig6.

3. For the cell cycle analysis, we have repeated the experiments in triplicate and the data demonstrated in histogram as instructed (Fig7).

4. (minor revision point1) The material and procedure were described in more details.

5. (minor revision point2) The typing errors were corrected.

6. (minor revision point3) The grammatical errors and language descriptions were corrected.
Response to Review 2:

1. To the major criticism: DISCUSSION has been revised and supplemented with comparison of the studies from other laboratories. We added a paragraph in DISCUSSION about the possible interpretation of discrepancy between data from mRNA and protein expression. Chen et al (Molecular and Cellular Proteomics 1: 304-313, 2002) reported the negative correlation between the level of mRNA and protein expression. Since many laboratories have reported their results based on mRNA expression only, and gave controversial conclusion. Our results are the only report based on the data from protein expression. The possibility that the negative correlation existed between KIAA0101 mRNA and protein expression can not be excluded. The above contents were added in DISCUSSION.

2. Minor criticisms: Chapter Results, the sentence has been re-written.

Taken together, we have revised the manuscript according to Editor and Reviews’ comments. We are most honored if our revised manuscript can be published in BMC Cancer.

Finally, for the payment of processing charge, we will pay with credit or check immediately after acceptance.

Thanks once again for your kind consideration.

Sincerely Yours.

Jianren Gu

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