Author’s response to reviews

Title: Baicalein mediates inhibition of migration and invasiveness of skin carcinoma through Ezrin in A431 cells

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Author’s response to reviews: see over
November 17, 2009

Dr. Tonilynn Manibo. Ph.D.
Journal Editorial Office
BioMed Central

RE: “Baicalein mediates inhibition of motility and invasiveness of skin carcinoma through Ezrin in A431 cells ” MS: 1096751269577656

Dear Dr. Tonilynn Manibo:

We thank you and the reviewers for your careful reviews and constructive suggestions. We have revised the manuscript and addressed each comment point by point below.

Reviewer Tiebang KANG:
We thank Reviewer Tiebang KANG for positive comments.

Reviewer Pei-Wen Hsiao:
Comment 1. As I pointed out in last review, the structure of baicalein in Figure 1A is still wrong.
Response 1. Say sorry to Reviewer Pei-Wen Hsiao, we overlooked it. The structure of baicalein was corrected.

Comment 2. Figure 1B, authors reply “the baseline level used as 1 was the blank control without Baicalein.” But, the revision figure 1B showed near 1.4 in the lane 1, where the baicalein concentration is 0. It should be revised accordingly.
Response 2. Thanks! Figure 1B was revised.

Comment 3. Legend of Figure 5A, regarding the bargraph on the right is not described. “c” of Fig.5A is not labeled in the figure.
Response 3. Thanks! “c”of Fig. 5A was described in Legend of Fig.5, and also labeled in the figure.

Additional minor mistakes:
Comment 4. page 7 last 2nd line: “RNAs in these samples were extracted using the manufacturer’s suggested protocol.” The commercial kit to isolate RNA is not revealed.
Response 4. Thanks! The commercial kit was revealed in the text of manuscript.

Suggested protocol
Comment 5. page 8 lines7-9: “Following electrophoresis, the relative PCR product band densities were quantified by scanning the photographic negative using a gel documentation and analysis system.” What gel documentation instrument and software analysis was used need to be revealed? The analysis will affect the quantification.
Response 5. Thank! The gel documentation instrument and software analysis had been
Comment 6. page 10 lines 2-3: the sequence used in oligo deoxynucleotide primers should be T (thymidine) instead of U (urecil). Since pU6-si-Ezrin plasmid was made to generate stable cell line. The siRNA sequence revealed should include the loop sequence, i.e., sequence of the entire shRNA oligodeoxynucleotide need to be shown. Therefore, other researchers can use the same method to knockdown Ezrin.

Response 6. Thanks! U (urecil) in oligo deoxynucleotide primers was changed T (thymidine). The siRNA was designed by Ambion, Sorry! its sequence was allowed to be revealed the company.

Sincerely,

Faqing Tang, M.D., Dr. Ph.D.
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