Reviewer's report

Title: Activation of AMP-activated protein kinase attenuates hepatocellular carcinoma cell adhesion stimulated by adipokine resistin

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Reviewer: Peralta Uroz

Reviewer's report:

The authors evaluate the role of resistin on hepatocellular carcinoma cell adhesion. The topic presented by the authors is interesting. However, the manuscript shows serious concerns.

My comments concern to the following points:

- The material and method section is not appropriated to evaluate the potential relationship between NFkB and adhesion molecules. Also, the sentence “Our findings further supported that obesity is an important mediator....” (page 15) has not been demonstrated in the present paper

- Biochemical and histological parameters of cell viability must be included to develop the aims proposed by the authors.

- In my opinion, the results were not discussed. The results were included in both Results and Discussion section.

- Data on cell adhesion in si-VCAM/siICAM should be included in Fig. 4.

- Abstract is confused.

The discussion section is very speculative and it would require an overall revision.

- Similar paragraphs have been included in Introduction and Discussion section.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests.