Reviewer's report

Title: Over-expressions of AMPK subunits in ovarian carcinomas with significant clinical implications

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Reviewer: Jing Chen

Reviewer's report:

In this manuscript, the authors investigated the expression of AMPK subunits in ovarian carcinomas at both mRNA level and protein level using Q-PCR and IHC staining. The authors reported that all but one AMPK subunit were statistically significantly higher in ovarian carcinomas than the normal controls. Where antibody were available, IHC staining also confirmed the mRNA results. Differential expressions of AMPK subunits were observed in different histological subtypes of ovarian carcinomas and disease survival with AMPK-alpha 2 was reported. Overall, the manuscript is concise, clear and well-written and is recommended for publication at biomed central.

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

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.