Reviewer's report

Title: Role of 14-3-3sigma in poor prognosis and in radiation and drug resistance of human pancreatic cancers

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Reviewer: guenter schneider

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Li et al. investigated the expression of 14-3-3# in pancreatic ductal adenocarcinoma (PDAC). The authors demonstrated that the 14-3-3# protein is highly expressed in the majority of PDACs. The authors were able to correlate high 14-3-3# expression with metastasis into lymph nodes. Furthermore, the authors demonstrated that 14-3-3# confers therapeutic resistance, especially towards DNA-damage (double strand breaks) inducing agents.

The data in the manuscript are interesting, convincing and clear. However several publications already demonstrated the overexpression of 14-3-3# in PDAC. In addition the contribution of 14-3-3# towards therapeutic resistances of PDAC cells is as well described in recent publication. Therefore, the data are confirmative and there is the need to provide deeper insights into the molecular mechanisms how 14-3-3# is regulating processes like apoptosis resistance or the G2/M-phase of the cell cycle in PDAC cells.

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests