Reviewer's report

Title: Siah1 Proteins Enhance Radiosensitivity of Human Breast Cancer Cells

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Reviewer: Zhiheng Xu

Reviewer's report:

In the manuscript ‘Siah1 Proteins Enhance Radiosensitivity of Human Breast Cancer Cells’ by He and colleagues, the authors report that SIAH1 is expressed in MCF7 and overexpression of Siah1L and Siah1 can enhance radiosensitivity of SKBR3 breast cancer cells. This is an interesting finding and has confirmed previous studies that Siah proteins play an important role in apoptosis and cancer progression. However, all the experiments were performed with over-expression of SIAH1. To explore the biological function of Siah proteins in breast cancer, it is more relevant to knock-down the expression of different Siah proteins by RNAi in breast cancer cells such as MCF7 to see if it can affect the cell proliferation, invasion ability, radiosensitivity and Tcf/Lef factor activity. Please keep in mind that there are different isoforms of Siah proteins in mammalian cells.

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