Reviewer’s report

Title: Mapping the interactome of overexpressed Raf kinase inhibitor protein in a gastric cancer cell line

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Reviewer: Zhousheng Xiao

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Minor Essential Revisions:

Raf kinase inhibitory protein (RKIP) has been reported to play an important role in cancer development. However, how RKIP interacts with other proteins in gastric cancer remains unclear. The authors applied tandem mass spectrometry (MS/MS) to identify a total of 72 RKIP-interacting proteins using sequential experimental protocols. The manuscript provides us a first evidence for interactome of RKIP in gastric cancer. It is an interesting and novel paper in this field, but there are some concerns about this research article.

1, Figure 2 needs to be clarified. Where is blank carrier group? Where does RKIP transfect group come from? This group was not mentioned in the method section. Also, please mark the figure with anti-RKIP and anti-#-actin if you use the dilution of antibodies.

2, The manuscript needs professional English editing and check the spelling errors (for instance, RAS/RAF/ERK/MEK signal) to improve the quality of the paper.

3, The discussion section needs to be revised. It is too long and not organized very well. Authors should emphasize their findings on Ras/Raf/MEK/ERK pathway in this RKIP interactome and elucidate the significance from reviewing the literature reports since they don’t have functional data to support this hypothesis.

Level of interest: An article of outstanding merit and interest in its field

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