Reviewer's report

Title: MicroRNA-645, Up-regulated in Human Adencarcinoma of Gastric Esophageal Junction, Inhibits Apoptosis by Targeting Tumor Suppressor IFIT2

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Reviewer: Young Jung

Reviewer's report:

In this study, authors demonstrate that mir-645 results in increase apoptosis by Targeting Tumor Suppressor IFIT2 in Human Adencarcinoma of Gastric Esophageal Junction. This study is certainly of value for its subject and the information may be important for other investigators in the field. The experimental plan is clearly executed and there are some flaws. And, there are minor points that need to be considered before final acceptance for publication

Major
1. They make title and explained the role of mir-645 and IFIT2 in the Adencarcinoma of Gastric Esophageal Junction (AGEJ) tumor but use the gastric cancer cells in vitro. Exploring the role of mir-645 and IFIT2 expression in gastric cancer rather than in AGEJ to be recommended.
2. IFIT expression is dependent on mir-645 in the pattern of linear equations (Fig 4 A and E), I wonder that IFIT2 expression is regulated by only one factor, mir-645.
3. AGEJ tumors were made 2 groups by tumor size (>5 or <5 centimeter). What is the logic to make group by 5 centimeter.

Minor
1. In Fig. 4 D b, the +SEM is missing
2. Page 8, 1st line from bottom, the reference is missing
3. The full name of IFIT is appeared in the 1st using.

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'