Reviewer’s report

Title: Valproic acid-induced amphiregulin secretion confers resistance to temozolomide treatment in human glioma cells

Version: 1 Date: 15 Apr 2019

Reviewer: Wen-Wei Chang

Reviewer's report:

The authors made a great improvement of their manuscript but there are still some minor revisions required to be considered.

1. The full name of AR should be provided in abstract.
2. In Figure 2C, the underline seems to be removed. The same problem also appears in Figure 2D, the above line of western blot image.
3. In Figure 5C, a scale bar should be included. It is suggested to add arrows to point out "increased secretion" mentioned by authors in maintext.
4. The authors added new data about VPA inhibited autophagy. It means the induction of autophagy by TMZ may be one of the mechanisms in resistance. The authors should make some discussions.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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