Reviewer’s report

Title: Localization of phosphorylated ErbB1-4 and heregulin in colorectal cancer

Version: 6 Date: 4 September 2014

Reviewer: christopher daly

Reviewer’s report:

Minor essential revisions

1) While the authors have now clarified the methodology used in Figure 1, it remains unclear why the authors cannot validate the purity of their cytoplasmic and nuclear fractions by performing a western blot (using an aliquot of the total lysates prior to immunoprecipitation) for a protein(s) known to be restricted to the respective compartments. In addition, given that the immunoprecipitations of the cyto and nuclear fractions used the same amount of total protein rather than the same number of cell equivalents of each fraction, it is not possible to assess the relative proportions of the proteins in each compartment. At a minimum, the authors should state in the text that a conclusion regarding the relative amounts of p-ErbB2 and p-ErbB3 in the cyto and nuclear fractions is not warranted given the data presented.

Level of interest: An article of limited interest

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