Reviewer’s report

Title: RanBPM interacts with psoriasin in vitro and their expression correlates with specific clinical features in vivo in breast cancer

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Reviewer: Dr Kornelia Polyak

Level of interest: A paper whose findings are important to those with closely related research interests

Advice on publication: Unable to decide on acceptance or rejection until the authors have responded to the compulsory revisions

The authors revised the manuscript and changed the title to indicate that the interaction between psoriasin and RanBPM occurs in vitro and the in vivo relevance of this interaction requires further studies. However, they did not do any further experiments to prove that even this in vitro interaction is specific. The only data they have to prove in vitro interaction between the two proteins is Figure 2, where the two in vitro translated proteins are mixed together. As I pointed out in my previous review this figure lacks positive (known RanBPM or psoriasin binding proteins) and negative (irrelevant protein and competing "cold" protein) controls. In my view at least the negative control would be essential to establish that this interaction is specific. This experiment is very easy to perform and should be performed to exclude the possibility that the data presented in Figure 2 is not an artifact.

Competing interests:
We do some work on psoriasin in my lab that is unrelated to the one described in this manuscript.