Author's response to reviews

Title: An association of a simultaneous nuclear and cytoplasmic localization of Fra-1 with breast malignancy

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Author's response to reviews: see over
Dear Dr. Edmunds,

Thank you very much for your letter. We are very grateful to your hard work and the comments from all reviewers. According to the reviewers' criticism, we revised our manuscript again. All revised contents are marked in red. In addition, we had a native English speaker read our manuscript.

Looking forward to hearing from you soon.

Sincerely yours,

Ning Guo

For reviewer Karin Milde-Langosch
The spelling of the author's names in References No. 37 and 38 is corrected.

For reviewer Dany Chalbos
1. The negative controls shown now include both benign and malignant breast tumors (Please see Fig. 1A and 2E).
2. It is difficult to test whether cytoplasmic labelling is eliminated or not by adding the Fra-1 peptide, because no Fra-1 peptide is commercially available. However, our data provided the comparison of the staining on the same section (Please see Fig. 3). It should be a good evidence to show the reliability and specificity of the immunohistochemical staining.
3. Fra-1 nuclear reactivity was scored as high (>75% cell positive) or low (<75% cell positive). The ten fields in each section were observed and comprehensive evaluation was given. When >75% cells were positive, the intensity of staining was also strong.
4. We agree with the reviewer's comment, because we didn't have enough data to demonstrate the correlation of Fra-1 expression level with the differentiation of breast carcinoma. So, in the revised version, we delete the content related to it.
5. The content referred to reference 36 is revised (Please see page 10).