

Review of: "Vimentin Regulates Collagen Remodeling Through Interaction with Myosin 10"

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The authors investigated whether vimentin was able to interact with Myo10 at the level of cell extensions to induce collagen remodeling thorough pericellular collagen degradation by MT1-MMP and to contribute to cancer cell migration and invasion. The study is very interesting and well designed at the technical level and in terms of the data analysis and discussion.

I would like to raise just two points:

1. SW480 cells are presented as a model harboring migration characteristics. However, these cells have often been described as colon carcinoma cells deriving from a primary tumor with rather epithelial-like characteristics. At the opposite, SW620 cells are presented to derive from metastasis and appear to have mesenchymal-like characteristics. Would it be possible to provide some information on this point?
2. Did the authors obtain some data on the analyzed functional phenotypes using another colon carcinoma cell model harboring the same characteristics as SW480 cells? or using another colon carcinoma cell model as a negative control?