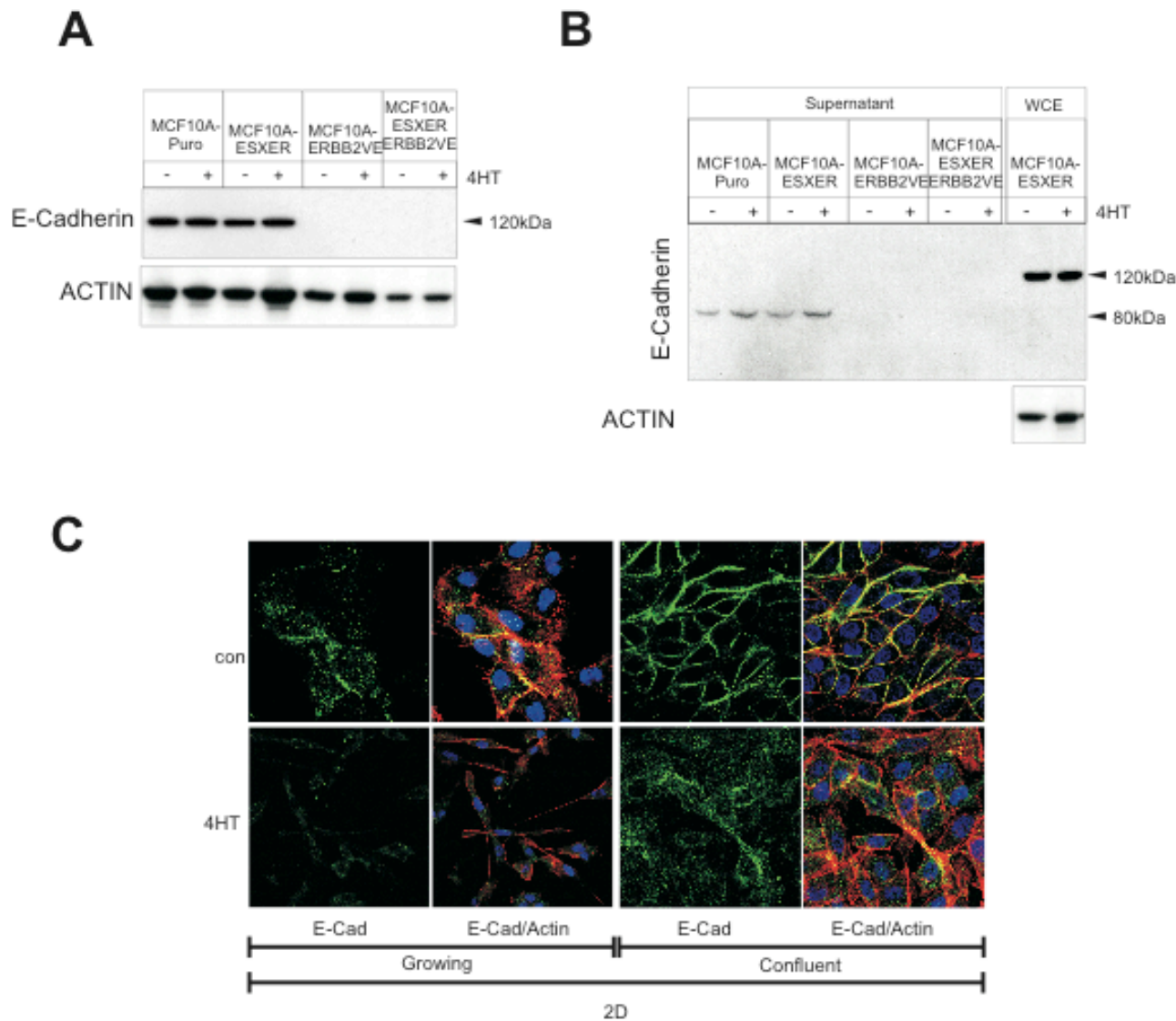
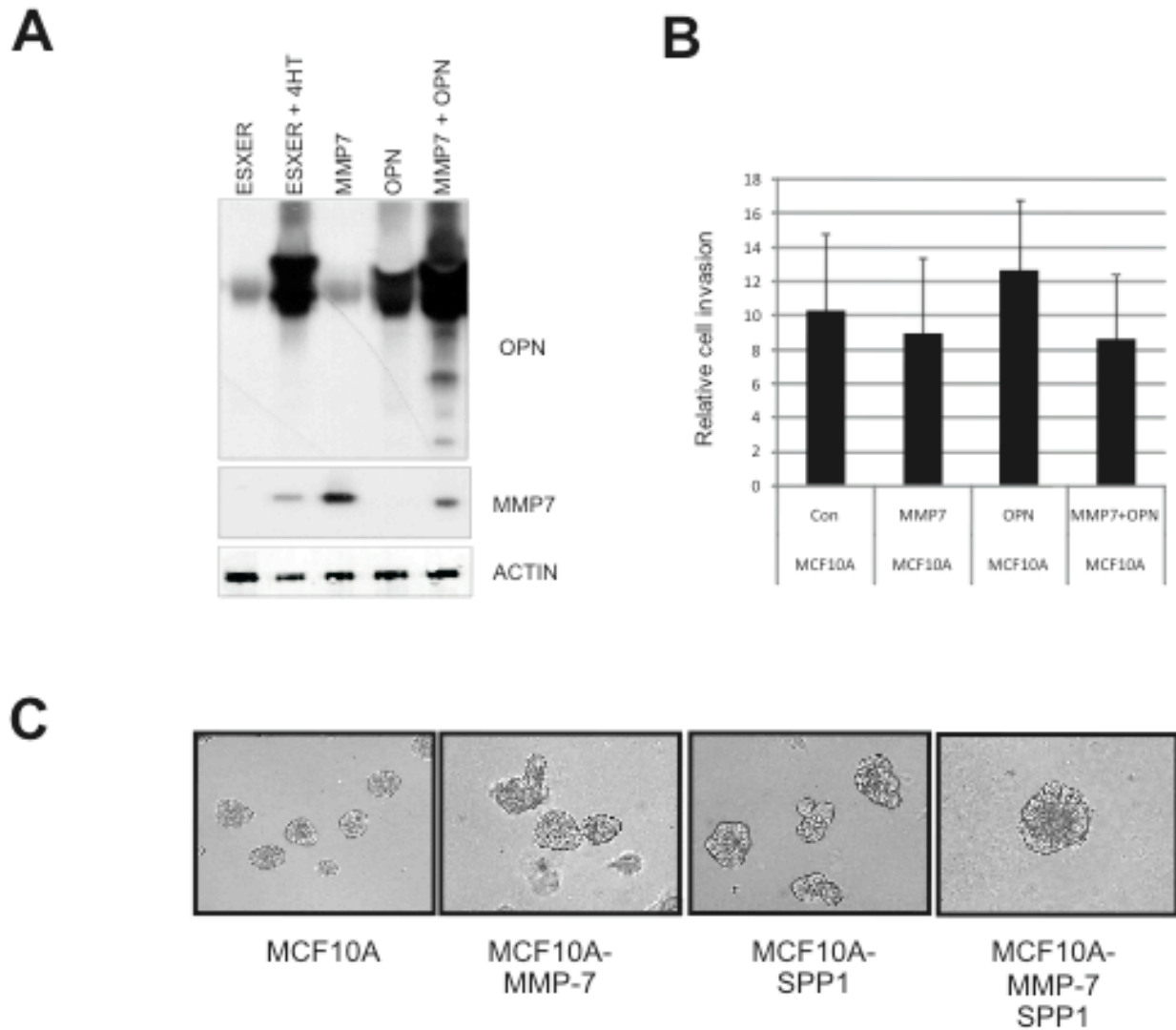


Supplementary Material



**Supplemental Fig. (1). ESXER promotes re-localization of E-cadherin.** (A) Expression of E-cadherin in protein extracts of 2D and 3D cultures of MCF10-ESXER cells in the presence of 4HT for 24 h. (B) Detection of cleaved E-cadherin in the conditioned medium of the indicated cell lines in response to 100 nM 4HT for 24 h. (C) Immunofluorescence detection of E-cadherin (green) in MCF10A-ESXER cells grown in 2D and 3D cultures in the presence or absence of 4HT. Cells are counterstained for nuclei (blue) and actin (red). Con, control untreated cells. WCE, whole cell extract.



**Supplemental Fig. (2). Effect of expressing MMP7 and SPP1 on MCF10A Cells. MMP7 and SPP1 were stably expressed in MCF10A cells and the following assays performed: (A) Protein was detected by western blotting of cell supernatant. (B) Invasion potential measured by modified Boyden chamber assays. (C) Morphology when grown in 3D-matrigel cultures.**