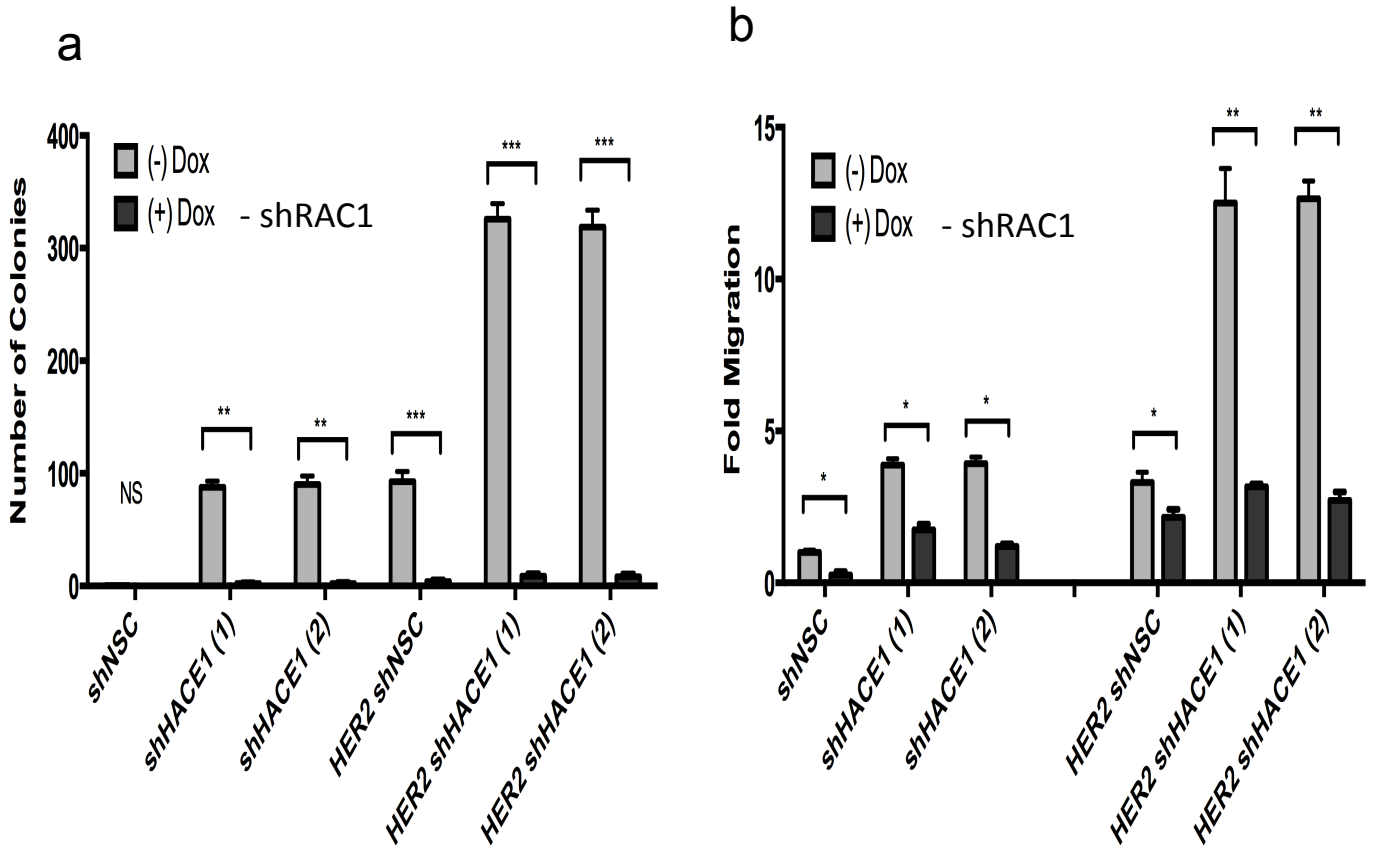


Supplementary Fig. 7



Supplementary Fig. 7 – Rac1 shRNA knockdown reverses cooperative effects of HER2 overexpression and HACE1 loss (a) Soft agar colony formation of MCF12A shHACE1 (1), MCF12A shHACE1 (2), MCF12A shNSC, MCF12A-HER2 shHACE1 (1), MCF12A-HER2 shHACE1 (2), MCF12A-HER2 shNSC cells with and without DOX induction of Rac1 shRNA (**P < 0.001, ***P < 0.0001 between groups, Student’s t-test). Data are expressed as mean ± SEM of three separate experiments. (b) *in vitro* migration (20 h) of MCF12A shHACE1 (1), MCF12A shHACE1 (2), MCF12A shNSC, MCF12A-HER2 shHACE1 (1), MCF12A-HER2 shHACE1 (2), MCF12A-HER2 shNSC cells with and without DOX induction of Rac1 shRNA as determined by Boyden chamber. 100 ng/ml EGF and 10 ng/ml HRG was used chemotractant (*P < 0.01, **P < 0.001 between groups, Student’s t-test). Data are expressed as mean ± SEM of three separate experiments.