Supplementary Figure 5. The expression of antioxidant enzymes is unchanged during ECM-detachment and is comparable between untransformed and transformed cells. The indicated cell lines were plated on normal or poly-HEMA coated plates and after 24 hours, cells were lysed and run on SDS-PAGE for western blotting with the indicated antibodies.

Supplementary Figure 6. The expression of catalase leads to viability changes in the absence of apoptosis. The indicated cell lines were plated on poly-HEMA coated plates and after 3 hours, ATP levels, caspase activation, and Alamar Blue levels were read. Error bars represent standard deviation and p values were determined through two-tailed T-test.

Supplementary Figure 7. Catalase re-expression rescues ATP levels in catalase-deficient MDA-MB-231 cells. Using lentiviral transduction of shRNA, catalase expression was reduced in MDA-MB-231 (231) cells. Catalase was subsequently re-expressed in the 231 Cat shRNA cells using retroviral transduction. These cells were grown in suspension and ATP levels were measured after 24 hours in suspension. All error bars represent standard deviation and p values were determined using a two-tailed T-test.