



Figure S10. Staining of tumor samples with Tyr284-phosphorylated-Ack1 and Tyr176-phosphorylated-AKT antibodies. Representations of Tyr284-phosphorylated-Ack1 (**A**) and Tyr176-phosphorylated-AKT (**B**) staining of IDC, which show intense staining in nuclei and membrane. (**C**) Expression levels between Tyr284-phosphorylated-Ack1 and Tyr176-phosphorylated-AKT expression were significantly correlated in breast tumors (Spearman rank correlation coefficient $\rho = 0.43$, $p < 0.0001$). (**D-G**) Breast samples stained with Ack1 and pAck1(Tyr284) antibodies. Basal levels of Ack1 expression were seen in both normal and tumor samples (**D, E**), however, significant increase in pAck1(Tyr284) staining was seen in tumor samples as contrast to normal breast sample (compare **F** and **G**).