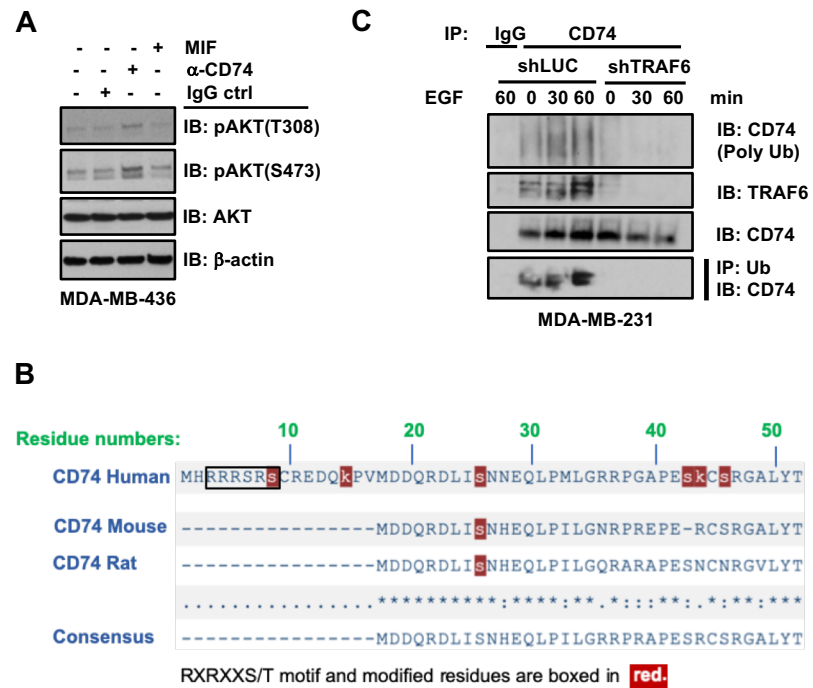
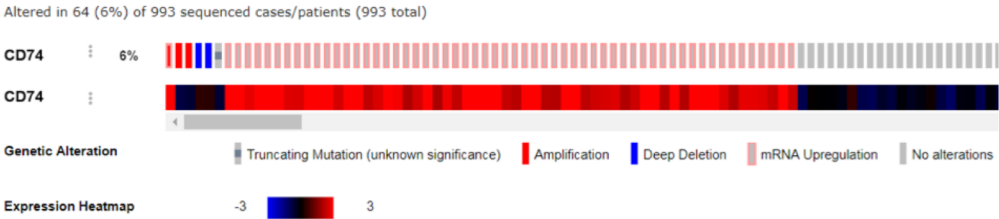


Supplementary Figure S1

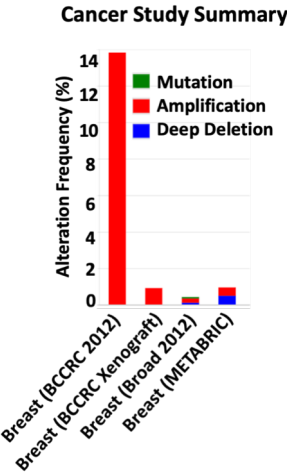


Supplementary Figure S2

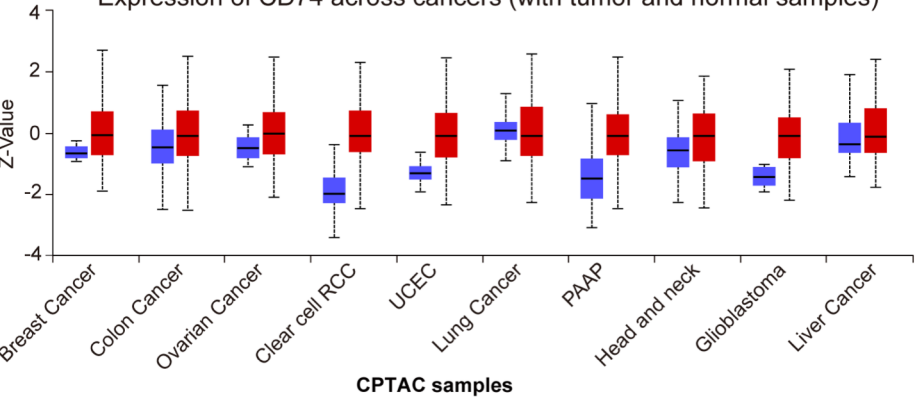
A Breast Invasive Carcinoma (TCGA, PanCancer Atlas)



B CD74 Altered in 2543 (71%) of 3588 sequenced cases/patients (3588 total)



C Expression of CD74 across cancers (with tumor and normal samples)



Supplementary Figure S3

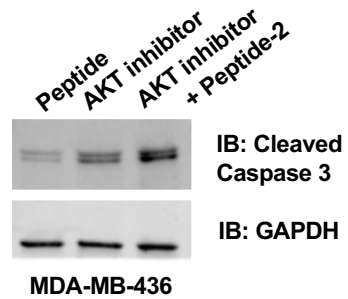
A

hCD74 LYQQQGRLDKLTVTSQNLQLENLRMK**LPKP**PKPVSKMRMA**TPLLMQALPM**GALPQGPMQNATKYGN
 mCD74 LYQQQGRLDKLTITSQNLQLESRLMK**LPKSAKPVSQMRMATP**LLMRPMSMDNMLLGPKNVTKYGN
 rCD74 LYQQQGRLDKLTVTSQNLQLENLRMK**LPKSAKPVS**PMRMAT**P**LLMR**P**LSMDNMLQAPVKNVTKYGN
 *****:*****.*****.*****:*****:..*.:*::*.******

B

51- TGFSILVTLL LAGQATTAYF LYQQQGRLDK LTVTSQNLQL ENLRMK**LPKP** PKPVSKMRMA **TPLLMQALPM** -120
 Peptide 4 QNLQL ENLRMK**LPKP** PKPV**S**
 Peptide 3 ENLRMK**LPKP** PKPVSKMRMA
 Peptide 2 **LPKP** PKPVSKMRMA **TPLLMQ**
 Peptide 1 PKPVSKMRMA **TPLLMQALPM**

C



Supplementary Figure S4