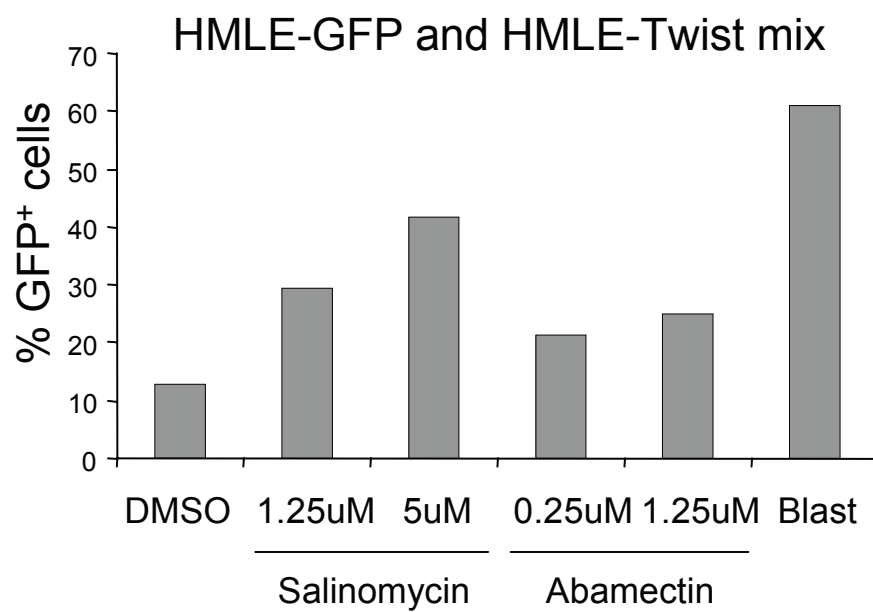
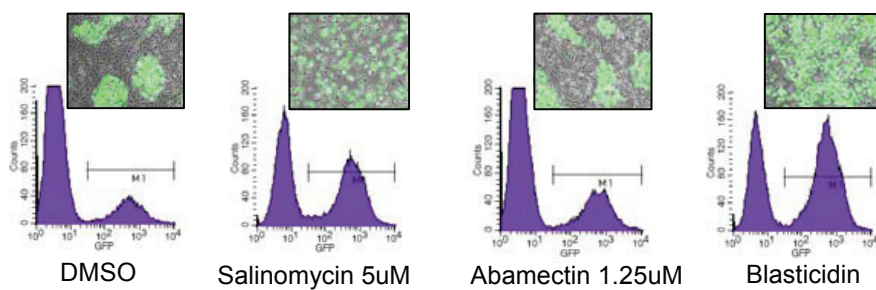


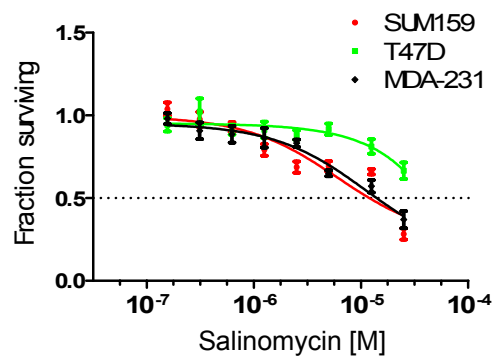
Supplementary Figure 1

A**B**

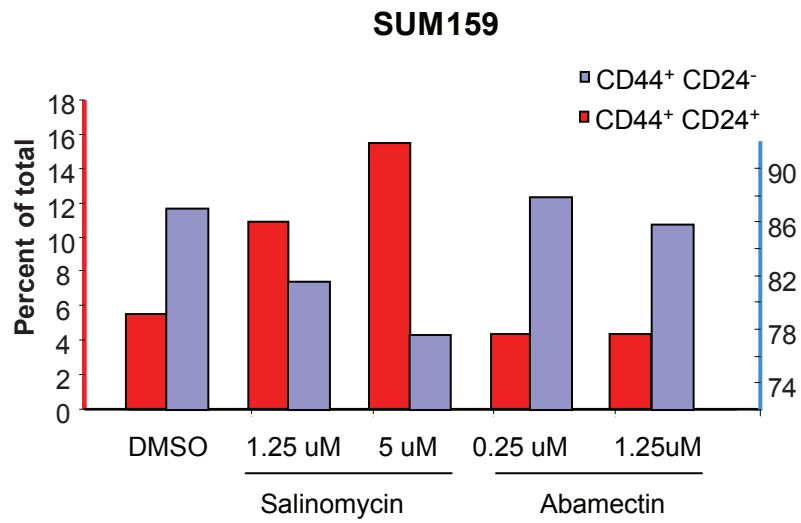
Supplementary Figure 2

A

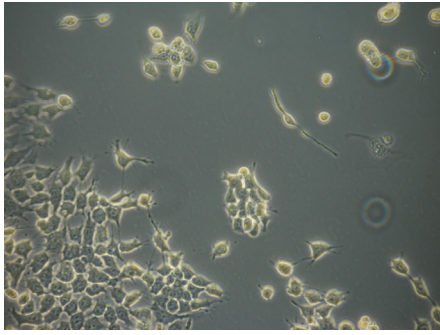
Cell line	CD44 ⁺ CD24 ⁻
SUM159	92.6 %
MDA-MB-231	89.9%
T47D	0%

B

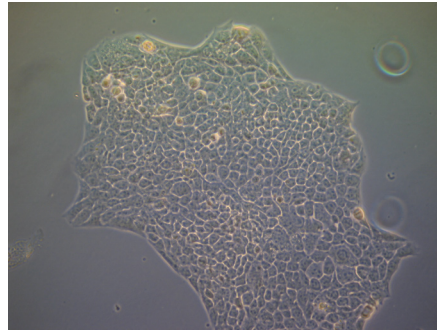
Supplementary Figure 3



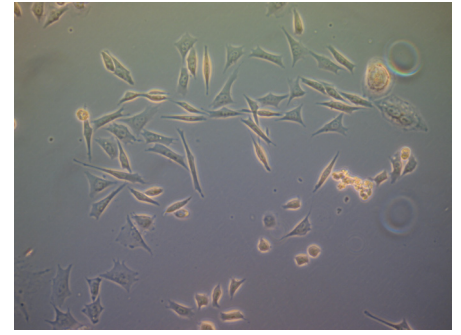
Supplementary Figure 4



DMSO

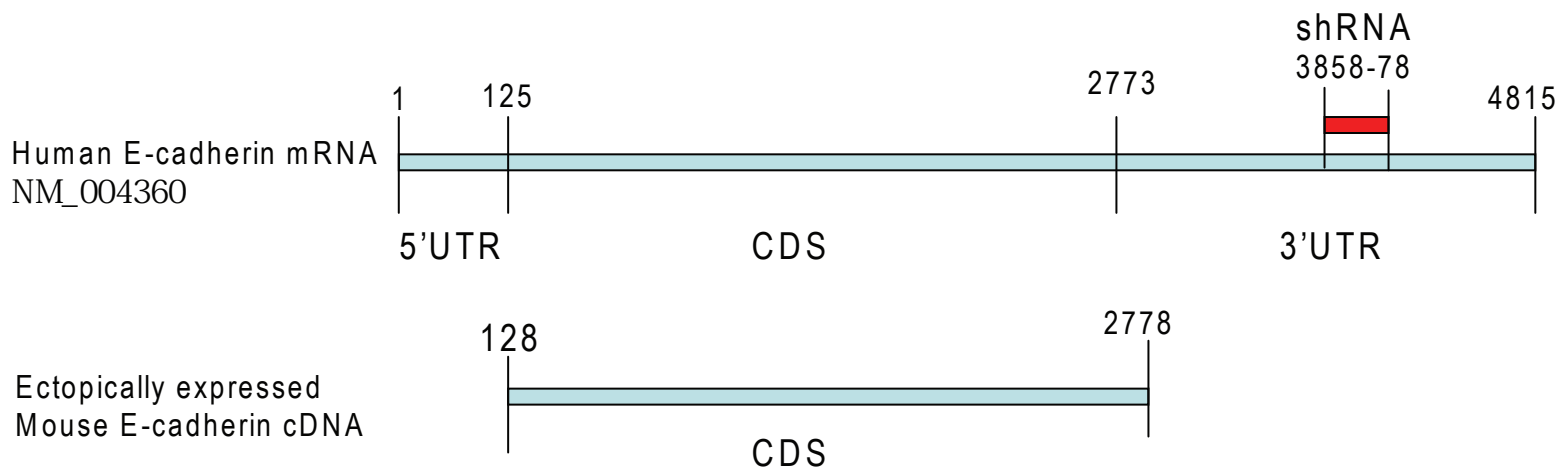


Salinomycin (8uM)



Paclitaxel (20nM)

Supplementary Figure 5



shRNA target sequence: GCAGAAATTATTGGGCTCTTT

Supplementary Table 1

CLARKE IGS UP	CLARKE IGS DOWN	POLYAK CD44vsCD24 UP	POLYAK CD44vsCD24 DOWN	DONTU Mammosphere UP	DONTU Mammosphere DOWN
KIAA0436	SNRPN	ANXA5	ABHD5	EMP3	MET
AMMECR1	SCGN	ACTG1	ADNP	GPC4	FZD6
NOL8	NDEL1	ARF3	ATP6AP1	FZD2	FLRT2
DPF2	VIL2	ATP1B3	BATF	GHR	GATA3
DKFZP564K0822	LARS	BAT3	BTG1	IGF2R	ELF3
PLP2	TOB2	CALD1	BTG2	NOTCH3	PTTG1
MAPK14	NPD014	CENTD2	CC2D1A	FGFR1	PTHLH
HS2ST1	SWAP70	CLIC1	CLTC	PDGFBR	STK17A
KDEL3	GTPBP1	CTBS	DIMT1L	ABC1	SIRS1
PDE8A	PILRB	DPYSL3	ELOVL5	AEBP1	SFRP1
KIAA1287	APLP2	DVL3	IRF1	GAS6	EVA1
LOC144233	TPD52	EXT1	LTA4H	WIG1	DSG2
ISGF3G	KLF10	FGFR1	PACAP	SCYA2	DSG3
AGPS	PRSS16	FTL	PLXNA3	GPNMB	DSC2
C6orf107	C5orf18	GNB2L1	RMND5B	IGFBP4	DSC3
LOC286505	DKFZP564D172	GPRC5A	SNX5	IGFBP7	CDKN3
GNPDA1	FAM53C	H2AFZ	TBC1D8	SCGF	
PNAS-4	IER5	HIF1A		RARRES	
ETTL2 /// FLJ1276	DUSP10	IL13RA1		GAP43	
FLJ11752	MGC4399	KDEL2		FYN	
STK39	CYP4V2	LARP1		WASPIP	
SCNM1	CITED4	LPIN2		PKD2	
HSPC163	WFDC2	MARS		OSF2	
FLJ20530	HSPA2	MMP10		HXB	
THUMPD3	CD59	MMP14		NID	
MGC45564	AIM1	MT2A		NID2	
JTV1	LOC80298	MYO10		CCND2	
NUP37	LOC255783	NUP62		TIMP3	
NUDT5	KIAA0146	PFKFB3		ADAM12	
ALG2	CDW92	PLOD2		PTOV1	
CSTF1	KIAA0792	PSMB7		DCN	
NSF	LOC439994	PSMD8			
ATXN3	MLF1	RIN2			
KIAA0276	PBP	RYBP			
CAP350	DHRS6	SDF4			
ETAA16	ELL2	SETD5			
SNARK	ARGBP2	SPP1			
KLHL20	ZBTB20	STAU1			
THEM2	DKFZP586A0522	TUBB3			
CASP8	FLNB	UBE2S			
NUCKS	DHRS4	XPNPEP1			
HAN11	MGC15429				
FLJ12806	HNMT				
DBR1	IRX3				
RAD23B	DKFZP564I0422				
CNOT4	ERN1				
STAM	DNAJB1				
PAK2	ETNK1				

EIF4E2	TMC4
ARPC5	MGC45840
CSNK2A1	LOC283481
DNAJC13	LOC388279
DNAPTP6	NEBL
FLJ12439	CG018
TICAM2	SGKL
FLJ90709	ETS1
C9orf64	CEBPD
ICMT	WEE1
TUBB	ERBB4
FLJ10774	EMP1
C16orf33	MMP7
SNX6	SERTAD1
XPR1	SLC25A25
RAB23	CIRBP
C10orf9	SH3BGRL
KIAA1600	ECHDC2
C21orf86	MGC4251
FLJ37953	LOC130576
C7orf25	NGFRAP1L1
CLTC	MAST4
PGK1	BCL2
COPB2	MAPT
C10orf7	B7-H4
RNF8	CHPT1
PLAA	ZDHHC2
AFURS1	MAFF
KIAA0052	FLJ39370
GAPD	KIAA1217
FLJ10587	LRPAP1
DNMT3A	GOLGIN-67
DKFZP566D1346	CXCL2
C7orf36	SFPQ
C7orf2	LRP2
DCBLD1	GABARAPL1
FLJ13456	MGP
FLJ31795	LTF
LDHA	C4orf7
SSR1	STC2
PSMA5	
SRP54	
ELP4	
ATIC	
GTF3C3	
NCE2	
GSK3B	
MR-1	
ALKBH	