

**Additional File 1: Table S1. Antibodies**

<b>Antibody</b>	<b>Application</b>	<b>Dilution</b>	<b>Source</b>
Annexin A1	IHC	1:100	Millipore
BrdU	IHC	1:50	Becton-Dickinson
CD44	IHC	1:200	Neomarkers/Thermo Sci
CD49f	IHC	1:100	Millipore
CD49f PE-Cy5	FC	–	BD Pharmingen
CK8/18	IHC	1:100	Leica Microsystems
CK5	IHC	1:200	Abcam
CK5	IHC, FC	1:100	Leica Microsystems
Claudin-3	IHC	1:200	Abcam
Claudin-3 FITC	FC	–	R&D Systems
EGFR	IHC	1:400	Millipore
EGFR-PE	FC	–	BioLegend
ER (Clone 1D5)	IHC	1:50	Dako
ER $\alpha$ (SP1)	IHC	1:100	Labvision
FOXA1	IHC	1:500	Abcam
GATA3	IHC	1:100	Santa Cruz Biotech
Jag1	IHC	1:100	Santa Cruz Biotech
Muc1	IHC	1:100	Santa Cruz Biotech
Notch-1	IHC	1:100	Cell Signaling
Notch-1 APC	FC	–	BioLegend
P-Cadherin	IHC	1:100	R&D Systems
PR (SP2)	IHC	1:100	LabVision
PR (Clone 1294)	IHC	1:500	Dako
P63	IHC	1:50	Epitomics
Slug	IHC	1:50	Cell Signaling
<b>Secondary Antibodies</b>			
Goat anti rabbit 488	IHC	1:200	Invitrogen
Goat anti-rabbit 555	IHC	1:200	Invitrogen
Goat anti-mouse 488	IHC	1:400	Invitrogen
Goat anti-mouse 555	IHC	1:200	Invitrogen

IHC: Immunohistochemistry, FC: Flow Cytometry