

Supplementary Table 21: Summary of antibodies, clones, dilutions and antigen retrieval methods.

Marker	Antibody clone	Dilution	Antigen retrieval	Company
CK17	E3	1/100	18 min, MW,citrate, pH 6.0	DAKO, Glostrup, Denmark
PTEN	6H2.1	1/100	20 mins, 98°C, DAKO antibody retrieval solution, pH 9.0	DAKO, Glostrup, Denmark
ER	ID5	1/200	2 min, PC, citrate, pH 6.0	DAKO, Glostrup, Denmark
PR	PgR 636	1/200	3 min, PC, citrate, pH 6.0	DAKO, Glostrup, Denmark
HER2	Polyclonal	1/200	41 min water bath, DAKO antibody retrieval solution, pH 6.0	DAKO, Glostrup, Denmark
P53	DO7	1/200	2 min, PC, citrate, pH 6.0	DAKO, Glostrup, Denmark
P63	P634A4	1/200	18 min, MW, citrate, pH 6.0	Santa Cruz, Santa Cruz, CA, USA
CK14	LL002	1/40	18 min, MW, citrate pH 6.0	BioGenex, Fremont, USA
EGFR	31G7	1/50	10 mins, 37°C, 0.1% pronase	Zymed, San Francisco, CA, USA
C-KIT	CD117	1/50	No antigen retrieval required	DAKO, Glostrup, Denmark
CK5/6	D5/16B4	1/600	18 min, MW, pH 6.0	Chemicon, Temecula, CA,USA

ER: oestrogen receptor, PR: progesterone receptor, EGFR: epidermal growth factor receptor, CK: Cytokeratin, PC: pressure cooker, MW: microwave oven.