

S1 Table. Antibodies used for immunohistochemistry

Antibody	Clone	Dilution	Source
CK7	OV-TL 12/30	1:300	DAKO, Glostrup, Denmark
PAX8	MRQ50	1:50	Cell Marque, Rocklin, CA, USA
AMACR	13H4	1:300	DAKO, Glostrup, Denmark
Napsin A	IP64	1:200	NOVODIAX, Hayward, CA, USA
HNF1 β	HPA002083	1:200	Sigma, St. Louis, MO, USA
GATA3	L50-823	1:100	Cell Marque, Rocklin, CA, USA
p53	DO7	1:100	DAKO, Glostrup, Denmark
Ki-67	MIB-1	1:100	DAKO, Glostrup, Denmark
ARID1A	EPR13501	1:1,000	Abcam, Cambridge, UK
AMT	Y170	1:100	Abcam, Cambridge, UK
Smad4	B-8	1:100	Santacruz, Dallas, TX, USA
β -catenin	CAT-5H10	1:800	Invitrogen, Waltham, MA, USA
phospho-mTOR	P-S6(ser235/236)	1:100	Cell signaling, Danvers, MA, USA
Phospho-p44/42 MAPK	E124	1:100	Cell signaling, Danvers, MA, USA
CHD4	SF2/4	1:200	EMD Milipore, Darmstadt, Germany
PBRM1	EPR15860	1:2000	Abcam, Cambridge, UK
PD-L1 SP142	SP142	RTU	Roche, Basel, Switzerland
PD-L1 22C3	22c3	1:50	DAKO, Glostrup, Denmark