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	Clear Cell RCC	Papillary RCC	Chromophobe RCC	Clear Cell Papillary RCC	<i>TFE/MTF</i> Translocation Carcinoma	Epithelioid Angiomyolipoma	Oncocytoma	Adrenal Cortical Tumors
CA9	+	-/+ <sup>a</sup>	- <sup>b</sup>	+	-/+ <sup>a</sup>	- <sup>a</sup>	-	- <sup>a</sup>
AMACR	- <sup>b</sup>	+	-	-	+	-	-	-
CD117	-	-	+	-	-	-	+	-
CD110	+	+	-/+	-/+	-/+	-	-/+	-
PAX8	+	+	+	+	+	-	-	-
CK7	- <sup>b</sup>	-/+	+	+	-	-	- <sup>b</sup>	-
34βE12	-	-	-	-/+	+	-	-	-
TFE3	-	-	-	-	-/+	-/+	-	-
TFEB	-	-	-	-	-/+	-	-	-
EMA	+	+	+	+	- <sup>b</sup>	-	+	-
HMB-45	ND	ND	ND	ND	-/+	+	ND	-
Melan-A	- <sup>b</sup>	ND	ND	ND	+	+	ND	+
SMA	-	-	-	-/+ <sup>c</sup>	-	+	+	-
Cathepsin K	-	-	-	ND	+	+	-	-
Synaptophysin	-	-	-	-	-	-	-	+
Inhibin	- <sup>b</sup>	-	-	-	-	-	-	+

Abbreviations: AMACR, α-methylacyl-coenzyme A racemase; CA9, carbonic anhydrase IX; CK7, cytokeratin 7; EMA, epithelial membrane antigen; ND, no published data; RCC, renal cell carcinoma; SMA, smooth muscle action; definition; +, positive labeling; -, negative labeling; -/+, variable labeling.

<sup>a</sup> Any tumor exhibiting necrosis can show membranous positivity in perinecrotic tissue.

<sup>b</sup> Negative in our experience but controversial, as cases with patchy and/or diffuse staining have been reported.

<sup>c</sup> Intratumoral stroma can be positive.