




**KIC241 - Kidney cancer/adjacent paired tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC
KIC24101	24	2.5mm	4um	4X6	H&E, IHC anti-Cytokeratin



**Recommended applications:** For research use only. Designed for kidney normal vs cancer RNA or protein tissue profiling using IHC or ISH.

**Description:** 12 cases of kidney cancer (purple) with corresponding uninvolved tissues (pink) from the same patients as controls. All the tissues were from surgical resection. They were fixed in 10% neutral buffered formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or APES coated Superfrost slides. They all have a guaranteed six months' shelf-life at 4C from the date of shipment.

Array position	Sex	Age	Pathology	Stage (TNM)	Anatomic site
A1	F	53	Clear cell carcinoma	T1NOMO	Kidney
B1	F	53	Uninvolved kidney tissue of A1	-	Kidney
A2	M	58	Clear cell carcinoma	T1NOMO	Kidney
B2	M	58	Uninvolved kidney tissue of A2	-	Kidney
A3	F	56	Clear cell carcinoma	T2NOMO	Kidney
B3	F	56	Uninvolved kidney tissue of A3	-	Kidney
A4	M	50	Clear cell carcinoma	T2NOMO	Kidney
B4	M	50	Uninvolved kidney tissue of A4	-	Kidney
A5	M	60	Clear cell carcinoma	T1NOMO	Kidney
B5	M	60	Uninvolved kidney tissue of A5	-	Kidney
A6	M	56	Clear cell carcinoma	T1NOMO	Kidney
B6	M	56	Uninvolved kidney tissue of A6	-	Kidney
C1	M	55	Clear cell carcinoma	T1NOMO	Kidney
D1	M	55	Uninvolved kidney tissue of C1	-	Kidney
C2	M	67	Clear cell carcinoma	T1NOMO	Kidney
D2	M	67	Uninvolved kidney tissue of C2	-	Kidney
C3	M	57	Clear cell carcinoma	T1NOMO	Kidney
D3	M	57	Uninvolved kidney tissue of C3	-	Kidney
C4	F	29	Papillary carcinoma	T1N1MO	Kidney
D4	F	29	Uninvolved kidney tissue of C4	-	Kidney
C5	M	63	Papillary carcinoma	T1NOMO	Kidney
D5	M	63	Uninvolved kidney tissue of C5	-	Kidney
C6	M	71	Transitional cell carcinoma	T1NOMO	Kidney
D6	M	71	Uninvolved kidney tissue of C6	-	Kidney

**Notes:** Bake at 60C for 30 minutes before use. If antigen retrieving is needed, it is always a good idea to start with a protocol with weak to mild strength.

**Certified by:** Fancai Li, M.D.



## **TNM Classification : Kidney carcinoma**

### **T- Primary tumor**

TX - Primary tumor cannot be assessed

TO - No evidence of primary tumor

T1 - Tumor 7.0 cm or less in greatest dimension, limited to the kidney

T2 - Tumor more than 7,0 cm, limited to the kidney

T3 - Tumor extends into major veins or invades adrenal gland or perinephric tissue but not beyond Gerota fascia

T4 - Tumor invades beyond Gerota fascia

### **N - Regional lymph nodes**

NX - Regional lymph nodes cannot be assessed

NO - No regional lymph node metastasis

N1 - Metastasis in a single regional lymph node

N2 - Metastasis in more than one regional lymph nodes

### **M - Distant metastasis**

MX - Distant metastasis cannot be assessed

MO - No distant metastasis

M1 - Distant metastasis

TNM classification of malignant tumours, Fifth Edition (1997)