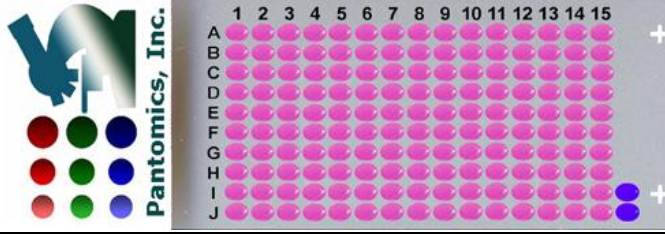




Cat No: **KIC1504 - Kidney cancer tissue array, set 4**

Lot#	Cores	Size	Cut	Format	QA/QC
KIC150401	150	1.1mm	4um	10X15	H&E, IHC anti-Cytokeratin



Recommended applications: For Research use only. RNA or protein kidney cancer/non-tumor tissue profiling using IHC or ISH; Antibody characterization.

Description: Kidney cancer tissue array, set 4, non-overlapping with KIC1501 or most of the cases in KIC1502, containing 75 cases in 150 cores with tumor paired with normal tissues from the same patients with grading and TNM staging data.

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 can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.**

Array Position	Sex	Age	Anatomic Site	Pathology	Grade	Stage
A01	M	58	Kidney	Papillary renal cell carcinoma		T1N0M0
A02	M	69	Kidney	Papillary renal cell carcinoma		T1N0M0
A03	M	52	Kidney	Papillary renal cell carcinoma		T3N0M0
A04	F	45	Kidney	Papillary renal cell carcinoma		T1N0M0
A05	M	62	Kidney	Chromophobe renal cell carcinoma		T1N0M0
A06	M	45	Kidney	Chromophobe renal cell carcinoma		T2N0M0
A07	M	53	Kidney	Chromophobe renal cell carcinoma		T2N0M0
A08	F	52	Kidney	Chromophobe renal cell carcinoma		T2N0M0
A09	F	66	Kidney	Chromophobe renal cell carcinoma		T3N0M0
A10	M	31	Kidney	Chromophobe renal cell carcinoma		T1N0M0
A11	F	71	Kidney	Chromophobe renal cell carcinoma		T2N0M0
A12	F	42	Kidney	Chromophobe renal cell carcinoma		T2N0M0
A13	F	45	Kidney	Chromophobe renal cell carcinoma		T1N0M0
A14	M	47	Kidney	Chromophobe renal cell carcinoma		T2N0M0
A15	M	52	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B01	M	58	Kidney	Papillary renal cell carcinoma		T1N0M0
B02	M	69	Kidney	Papillary renal cell carcinoma		T1N0M0
B03	M	52	Kidney	Papillary renal cell carcinoma		T3N0M0
B04	F	45	Kidney	Papillary renal cell carcinoma		T1N0M0
B05	M	62	Kidney	Papillary renal cell carcinoma		T1N0M0
B06	M	45	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B07	M	53	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B08	F	52	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B09	F	66	Kidney	Chromophobe renal cell carcinoma		T3N0M0
B10	M	31	Kidney	Chromophobe renal cell carcinoma		T1N0M0
B11	F	71	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B12	F	42	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B13	F	45	Kidney	Chromophobe renal cell carcinoma		T1N0M0
B14	M	47	Kidney	Chromophobe renal cell carcinoma		T2N0M0
B15	M	52	Kidney	Chromophobe renal cell carcinoma		T2N0M0
C01	M	69	Kidney	Granular renal cell carcinoma		T1N0M0
C02	M	43	Kidney	Granular renal cell carcinoma		T1N0M0
C03	F	38	Kidney	Granular renal cell carcinoma		T2N0M0
C04	F	48	Kidney	Clear renal cell carcinoma		T2N0M0
C05	M	56	Kidney	Clear renal cell carcinoma		T1N0M0
C06	M	66	Kidney	Clear renal cell carcinoma		T2N0M0
C07	F	64	Kidney	Clear renal cell carcinoma		T3N0M0
C08	F	64	Kidney	Clear renal cell carcinoma	II	T1N0M0



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C09	M	75	Kidney	Clear renal cell carcinoma	III	T2N0M0
C10	M	60	Kidney	Clear renal cell carcinoma	III	T3N0M0
C11	M	46	Kidney	Clear renal cell carcinoma	II	T1N0M0
C12	M	51	Kidney	Clear renal cell carcinoma	II	T2N0M0
C13	M	78	Kidney	Clear renal cell carcinoma	I	T1N0M0
C14	M	58	Kidney	Clear renal cell carcinoma	II	T2N0M0
C15	M	56	Kidney	Clear renal cell carcinoma	II	T1N0M0
D01	M	69	Kidney	Granular renal cell carcinoma		T1N0M0
D02	M	43	Kidney	Granular renal cell carcinoma		T1N0M0
D03	F	38	Kidney	Granular renal cell carcinoma		T2N0M0
D04	F	48	Kidney	Clear renal cell carcinoma		T2N0M0
D05	M	56	Kidney	Clear renal cell carcinoma		T1N0M0
D06	M	66	Kidney	Granular renal cell carcinoma		T2N0M0
D07	F	64	Kidney	Granular renal cell carcinoma		T3N0M0
D08	F	64	Kidney	Clear renal cell carcinoma	II	T1N0M0
D09	M	75	Kidney	Clear renal cell carcinoma	III	T2N0M0
D10	M	60	Kidney	Clear renal cell carcinoma	III	T3N0M0
D11	M	46	Kidney	Clear renal cell carcinoma	II	T1N0M0
D12	M	51	Kidney	Clear renal cell carcinoma	II	T2N0M0
D13	M	78	Kidney	Clear renal cell carcinoma	I	T1N0M0
D14	M	58	Kidney	Clear renal cell carcinoma	II	T2N0M0
D15	M	56	Kidney	Clear renal cell carcinoma	II	T1N0M0
E01	M	54	Kidney	Clear renal cell carcinoma	III	T2N0M0
E02	M	37	Kidney	Clear renal cell carcinoma	II	T2N0M0
E03	M	40	Kidney	Clear renal cell carcinoma	II	T1N0M0
E04	F	48	Kidney	Clear renal cell carcinoma	II	T1N0M0
E05	M	71	Kidney	Clear renal cell carcinoma	II	T1N0M0
E06	M	60	Kidney	Clear renal cell carcinoma	III	T3N0M0
E07	F	40	Kidney	Clear renal cell carcinoma	II	T1N0M0
E08	M	62	Kidney	Clear renal cell carcinoma	II	T2N0M0
E09	M	40	Kidney	Clear renal cell carcinoma	II	T1N0M0
E10	M	73	Kidney	Clear renal cell carcinoma	II	T2N0M0
E11	M	68	Kidney	Clear renal cell carcinoma	II	T2N0M0
E12	M	56	Kidney	Clear renal cell carcinoma	III	T2N0M0
E13	M	40	Kidney	Clear renal cell carcinoma	II	T3N0M0
E14	M	50	Kidney	Clear renal cell carcinoma	II	T3N0M0
E15	M	37	Kidney	Clear renal cell carcinoma	II	T1N0M0
F01	M	54	Kidney	Clear renal cell carcinoma	III	T2N0M0
F02	M	37	Kidney	Clear renal cell carcinoma	II	T2N0M0
F03	M	40	Kidney	Clear renal cell carcinoma	II	T1N0M0
F04	F	48	Kidney	Clear renal cell carcinoma	II	T1N0M0
F05	M	71	Kidney	Clear renal cell carcinoma	II	T1N0M0
F06	M	60	Kidney	Clear renal cell carcinoma	III	T3N0M0
F07	F	40	Kidney	Clear renal cell carcinoma	II	T1N0M0
F08	M	62	Kidney	Clear renal cell carcinoma	II	T2N0M0
F09	M	40	Kidney	Clear renal cell carcinoma	II	T1N0M0
F10	M	73	Kidney	Clear renal cell carcinoma	II	T2N0M0
F11	M	68	Kidney	Clear renal cell carcinoma	II	T2N0M0
F12	M	56	Kidney	Clear renal cell carcinoma	III	T2N0M0
F13	M	40	Kidney	Clear renal cell carcinoma	II	T3N0M0
F14	M	50	Kidney	Clear renal cell carcinoma	II	T3N0M0
F15	M	37	Kidney	Clear renal cell carcinoma	II	T1N0M0
G01	F	57	Kidney	Clear renal cell carcinoma	III	T1N0M0
G02	F	35	Kidney	Clear renal cell carcinoma	III~IV	T1N1M0
G03	F	56	Kidney	Clear renal cell carcinoma	II	T1N0M0
G04	M	64	Kidney	Clear renal cell carcinoma	II	T3N0M0
G05	F	59	Kidney	Clear renal cell carcinoma	II	T3N0M0
G06	M	45	Kidney	Clear renal cell carcinoma	II	T1N0M0
G07	M	56	Kidney	Clear renal cell carcinoma	II	T1N0M0
G08	F	52	Kidney	Clear renal cell carcinoma	II	T3N0M0
G09	M	45	Kidney	Clear renal cell carcinoma	I	T1N0M0



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G10	M	58	Kidney	Clear renal cell carcinoma	III	T1N0M0
G11	F	63	Kidney	Clear renal cell carcinoma	II	T1N0M0
G12	M	39	Kidney	Clear renal cell carcinoma	III	T2N0M0
G13	M	64	Kidney	Clear renal cell carcinoma	III	T2N0M0
G14	M	77	Kidney	Clear renal cell carcinoma	II	T3N0M0
G15	F	65	Kidney	Clear renal cell carcinoma	I~II	T1N0M0
H01	F	57	Kidney	Clear renal cell carcinoma	III	T1N0M0
H02	F	35	Kidney	Clear renal cell carcinoma	III~IV	T1N1M0
H03	F	56	Kidney	Clear renal cell carcinoma	II	T1N0M0
H04	M	64	Kidney	Clear renal cell carcinoma	II	T3N0M0
H05	F	59	Kidney	Clear renal cell carcinoma	II	T3N0M0
H06	M	45	Kidney	Clear renal cell carcinoma	II	T1N0M0
H07	M	56	Kidney	Clear renal cell carcinoma	II	T1N0M0
H08	F	52	Kidney	Clear renal cell carcinoma	II	T3N0M0
H09	M	45	Kidney	Clear renal cell carcinoma	I	T1N0M0
H10	M	58	Kidney	Clear renal cell carcinoma	III	T1N0M0
H11	F	63	Kidney	Clear renal cell carcinoma	II	T1N0M0
H12	M	39	Kidney	Clear renal cell carcinoma	III	T2N0M0
H13	M	64	Kidney	Clear renal cell carcinoma	III	T2N0M0
H14	M	77	Kidney	Clear renal cell carcinoma	II	T3N0M0
H15	F	65	Kidney	Clear renal cell carcinoma	I~II	T1N0M0
I01	F	58	Kidney	Clear renal cell carcinoma	II	T2N0M0
I02	F	70	Kidney	Clear renal cell carcinoma	II	T1N0M0
I03	M	53	Kidney	Clear renal cell carcinoma	II	T1N0M0
I04	F	55	Kidney	Clear renal cell carcinoma	II	T1N0M0
I05	M	53	Kidney	Clear renal cell carcinoma	II~III	T1N0M0
I06	M	45	Kidney	Clear renal cell carcinoma	II	T1N0M0
I07	F	63	Kidney	Clear renal cell carcinoma	II~III	T3N0M0
I08	F	64	Kidney	Clear renal cell carcinoma	I	T2N0M0
I09	M	74	Kidney	Clear renal cell carcinoma	II	T3N0M0
I10	M	43	Kidney	Clear renal cell carcinoma	III	T1N0M0
I11	M	59	Kidney	Clear renal cell carcinoma	II	T1N0M0
I12	F	53	Kidney	Clear renal cell carcinoma	II	T1N0M0
I13	M	52	Kidney	Clear renal cell carcinoma	I	T2N0M0
I14	M	57	Kidney	Clear renal cell carcinoma	II	T1N0M0
I15	M	60	Kidney	Clear renal cell carcinoma	III	T1N0M0
J01	F	58	Kidney	Clear renal cell carcinoma	II	T2N0M0
J02	F	70	Kidney	Clear renal cell carcinoma	II	T1N0M0
J03	M	53	Kidney	Clear renal cell carcinoma	II	T1N0M0
J04	F	55	Kidney	Clear renal cell carcinoma	II	T1N0M0
J05	M	53	Kidney	Clear renal cell carcinoma	II~III	T1N0M0
J06	M	45	Kidney	Clear renal cell carcinoma	II	T1N0M0
J07	F	63	Kidney	Clear renal cell carcinoma	II~III	T3N0M0
J08	F	64	Kidney	Clear renal cell carcinoma	I	T2N0M0
J09	M	74	Kidney	Clear renal cell carcinoma	II	T3N0M0
J10	M	43	Kidney	Clear renal cell carcinoma	III	T1N0M0
J11	M	59	Kidney	Clear renal cell carcinoma	II	T1N0M0
J12	F	53	Kidney	Clear renal cell carcinoma	II	T1N0M0
J13	M	52	Kidney	Clear renal cell carcinoma	I	T2N0M0
J14	M	57	Kidney	Clear renal cell carcinoma	II	T1N0M0
J15	M	60	Kidney	Clear renal cell carcinoma	III	T1N0M0

Notes: Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer. For availability of complimentary IHC data, please contact us at info@pantomics.com.

Certified by: Langxing Pan, 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)