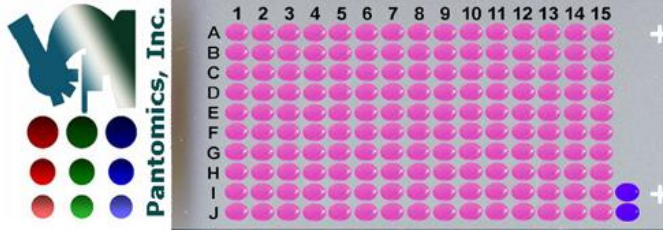


Cat No: KIC1503 - Kidney cancer tissue array, set 3

Lot#	Cores	Size	Cut	Format	QA/QC
KIC150301	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 3, 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	43	Kidney	Granular cell carcinoma	null	T1N0M0
A02	F	64	Kidney	Clear cell carcinoma	null	T1N0M0
A03	F	61	Kidney	Squamous cell carcinoma	I	T1N0M0
A04	M	77	Kidney	Mixed renal cell and squamous cell carcinoma	null	T1N2M0
A05	M	46	Kidney	Clear cell carcinoma	null	T1N0M0
A06	M	45	Kidney	Clear cell carcinoma	null	T1N0M0
A07	M	56	Kidney	Clear cell carcinoma	null	T1N0M0
A08	F	34	Kidney	Clear cell carcinoma	null	T1N1M0
A09	M	48	Kidney	Clear cell carcinoma	null	T1N0M0
A10	M	53	Kidney	Transitional cell carcinoma	II	T1N0M0
A11	M	36	Kidney	Granular cell carcinoma	null	T1N0M0
A12	M	63	Kidney	Granular cell carcinoma	null	T1N0M0
A13	M	46	Kidney	Granular cell carcinoma	null	T1N0M0
A14	M	61	Kidney	Clear cell carcinoma	null	T1N0M0
A15	M	78	Kidney	Clear cell carcinoma	null	T1N0M0
B01	M	43	Kidney	Uninvolved kidney tissue of A01	null	null
B02	F	64	Kidney	Uninvolved kidney tissue of A02	null	null
B03	F	61	Kidney	Uninvolved kidney tissue of A03	null	null
B04	M	77	Kidney	Uninvolved kidney tissue of A04	null	null
B05	M	46	Kidney	Uninvolved kidney tissue of A05	null	null
B06	M	45	Kidney	Uninvolved kidney tissue of A06	null	null
B07	M	56	Kidney	Uninvolved kidney tissue of A07	null	null
B08	F	34	Kidney	Uninvolved kidney tissue of A08	null	null
B09	M	48	Kidney	Uninvolved kidney tissue of A09	null	null
B10	M	53	Kidney	Uninvolved kidney tissue of A10	null	null
B11	M	36	Kidney	Uninvolved kidney tissue of A11	null	null
B12	M	63	Kidney	Uninvolved kidney tissue of A12	null	null
B13	M	46	Kidney	Uninvolved kidney tissue of A13	null	null
B14	M	61	Kidney	Uninvolved kidney tissue of A14	null	null
B15	M	78	Kidney	Uninvolved kidney tissue of A15	null	null
C01	F	44	Kidney	Clear cell carcinoma	null	T1N0M0
C02	F	42	Kidney	Transitional cell carcinoma	null	T1N0M0
C03	M	54	Kidney	Clear cell carcinoma	null	T3N0M0
C04	F	48	Kidney	Clear cell carcinoma	III	T2N0M0
C05	F	66	Kidney	Transitional cell carcinoma	II	T2N0M0
C06	F	36	Kidney	Clear cell carcinoma	null	T2N2M0
C07	M	49	Kidney	Clear cell carcinoma	null	T2N0M0



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C08	M	61	Kidney	Squamous cell carcinoma	I	T2N0M0
C09	M	58	Kidney	Clear cell carcinoma	null	T1N0M0
C10	M	63	Kidney	Clear cell carcinoma	null	T1N0M0
C11	M	66	Kidney	Transitional cell carcinoma	II	T3N0M0
C12	M	45	Kidney	Granular cell carcinoma?	null	T2N0M0
C13	M	44	Kidney	Transitional cell carcinoma	null	T1N0M0
C14	M	58	Kidney	Clear cell carcinoma	null	T2N0M0
C15	M	35	Kidney	Clear cell carcinoma	null	T2N0M0
D01	F	44	Kidney	Uninvolved kidney tissue of C01	null	null
D02	F	42	Kidney	Uninvolved kidney tissue of C02	null	null
D03	M	54	Kidney	Uninvolved kidney tissue of C03	null	null
D04	F	48	Kidney	Uninvolved kidney tissue of C04	null	null
D05	F	66	Kidney	Uninvolved kidney tissue of C05	null	null
D06	F	36	Kidney	Uninvolved kidney tissue of C06	null	null
D07	M	49	Kidney	Uninvolved kidney tissue of C07	null	null
D08	M	61	Kidney	Uninvolved kidney tissue of C08	null	null
D09	M	58	Kidney	Uninvolved kidney tissue of C09	null	null
D10	M	63	Kidney	Uninvolved kidney tissue of C10	null	null
D11	M	66	Kidney	Uninvolved kidney tissue of C11	null	null
D12	M	45	Kidney	Uninvolved kidney tissue of C12	null	null
D13	M	44	Kidney	Uninvolved kidney tissue of C13	null	null
D14	M	58	Kidney	Uninvolved kidney tissue of C14	null	null
D15	M	35	Kidney	Uninvolved kidney tissue of C15	null	null
E01	M	61	Kidney	Clear cell carcinoma	null	T2N0M0
E02	M	43	Kidney	Chromophobe renal cell carcinoma	null	T2N0M0
E03	F	82	Kidney	Chromophobe renal cell carcinoma	null	T2N0M0
E04	M	70	Kidney	Eosinophilic renal cell carcinoma	null	T1N0M0
E05	M	68	Kidney	Clear cell carcinoma	null	T2N0M0
E06	F	48	Kidney	Granular cell carcinoma	null	T2N0M0
E07	M	48	Kidney	Transitional cell carcinoma	II	T2N0M0
E08	F	46	Kidney	Squamous cell carcinoma	II	T2N0M0
E09	M	72	Kidney	Transitional cell carcinoma	II	T1N0M0
E10	F	67	Kidney	Transitional cell carcinoma	III	T1N0M1
E11	M	45	Kidney	Chromophobe renal cell carcinoma	null	T1N0M2
E12	M	54	Kidney	Clear cell carcinoma	null	T2N0M0
E13	F	48	Kidney	Transitional cell carcinoma	III	T1N0M0
E14	M	21	Kidney	Clear cell carcinoma	null	T2N0M0
E15	M	56	Kidney	Granular cell carcinoma	null	T1N0M0
F01	M	61	Kidney	Uninvolved kidney tissue of E01	null	null
F02	M	43	Kidney	Uninvolved kidney tissue of E02	null	null
F03	F	82	Kidney	Uninvolved kidney tissue of E03	null	null
F04	M	70	Kidney	Uninvolved kidney tissue of E04	null	null
F05	M	68	Kidney	Uninvolved kidney tissue of E05	null	null
F06	F	48	Kidney	Uninvolved kidney tissue of E06	null	null
F07	M	48	Kidney	Uninvolved kidney tissue of E07	null	null
F08	F	46	Kidney	Uninvolved kidney tissue of E08	null	null
F09	M	72	Kidney	Uninvolved kidney tissue of E09	null	null
F10	F	67	Kidney	Uninvolved kidney tissue of E10	null	null
F11	M	45	Kidney	Uninvolved kidney tissue of E11	null	null
F12	M	54	Kidney	Uninvolved kidney tissue of E12	null	null
F13	F	48	Kidney	Uninvolved kidney tissue of E13	null	null
F14	M	21	Kidney	Uninvolved kidney tissue of E14	null	null
F15	M	56	Kidney	Uninvolved kidney tissue of E15	null	null
G01	M	61	Kidney	Squamous cell carcinoma	II	T2N1M0
G02	M	40	Kidney	Clear cell carcinoma	null	T1N0M0
G03	M	53	Kidney	Papillary renal cell carcinoma	null	T1N0M0
G04	F	53	Kidney	Transitional cell carcinoma	I	T3N0M0
G05	F	20	Kidney	Clear cell carcinoma	null	T1N0M0
G06	M	71	Kidney	Clear cell carcinoma	null	T1N0M0



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G07	M	60	Kidney	Clear cell carcinoma	null	T2N0M0
G08	M	70	Kidney	Squamous cell carcinoma	I	T3N0M0
G09	F	65	Kidney	Clear cell carcinoma	II~III	T1N0M0
G10	M	53	Kidney	Eosinophilic chromophobe renal cell carcinoma	null	T1N0M0
G11	M	67	Kidney	Clear cell carcinoma	null	T1N0M0
G12	F	40	Kidney	Clear cell carcinoma	null	T1N0M0
G13	M	65	Kidney	Granular cell carcinoma	null	T1N0M0
G14	M	40	Kidney	Clear cell carcinoma	II	T3N0M0
G15	M	50	Kidney	Papillary renal cell carcinoma	null	T1N0M0
H01	M	61	Kidney	Uninvolved kidney tissue of G01	null	null
H02	M	40	Kidney	Uninvolved kidney tissue of G02	null	null
H03	M	53	Kidney	Uninvolved kidney tissue of G03	null	null
H04	F	53	Kidney	Uninvolved kidney tissue of G04	null	null
H05	F	20	Kidney	Uninvolved kidney tissue of G05	null	null
H06	M	71	Kidney	Uninvolved kidney tissue of G06	null	null
H07	M	60	Kidney	Uninvolved kidney tissue of G07	null	null
H08	M	70	Kidney	Uninvolved kidney tissue of G08	null	null
H09	F	65	Kidney	Uninvolved kidney tissue of G09	null	null
H10	M	53	Kidney	Uninvolved kidney tissue of G10	null	null
H11	M	67	Kidney	Uninvolved kidney tissue of G11	null	null
H12	F	40	Kidney	Uninvolved kidney tissue of G12	null	null
H13	M	65	Kidney	Uninvolved kidney tissue of G13	null	null
H14	M	40	Kidney	Uninvolved kidney tissue of G14	null	null
H15	M	50	Kidney	Uninvolved kidney tissue of G15	null	null
I01	M	73	Kidney	Clear cell carcinoma	II	T2N0M0
I02	M	53	Kidney	Chromophobe renal cell carcinoma	null	T1N0M0
I03	F	67	Kidney	Transitional cell carcinoma	I~II	T1N0M0
I04	M	68	Kidney	Clear cell carcinoma	null	T2N0M0
I05	M	50	Kidney	Clear cell carcinoma	null	T1N0M0
I06	M	50	Kidney	Clear cell carcinoma	null	T2N0M0
I07	M	40	Kidney	Clear cell carcinoma	null	T1N0M0
I08	F	52	Kidney	Chromophobe renal cell carcinoma	null	T2N0M0
I09	F	56	Kidney	Clear cell carcinoma	null	T1N0M0
I10	M	64	Kidney	Clear cell carcinoma	null	T1N0M0
I11	M	52	Kidney	Papillary renal cell carcinoma	null	T1N0M0
I12	F	59	Kidney	Clear cell carcinoma	null	T2N0M0
I13	M	40	Kidney	Transitional cell carcinoma	null	T1N0M0
I14	M	65	Kidney	Transitional cell carcinoma	null	T1N0M0
I15	F	42	Kidney	Chromophobe renal cell carcinoma	null	T2N0M0
J01	M	73	Kidney	Uninvolved kidney tissue of I01	null	null
J02	M	53	Kidney	Uninvolved kidney tissue of I02	null	null
J03	F	67	Kidney	Uninvolved kidney tissue of I03	null	null
J04	M	68	Kidney	Uninvolved kidney tissue of I04	null	null
J05	M	50	Kidney	Uninvolved kidney tissue of I05	null	null
J06	M	50	Kidney	Uninvolved kidney tissue of I06	null	null
J07	M	40	Kidney	Uninvolved kidney tissue of I07	null	null
J08	F	52	Kidney	Uninvolved kidney tissue of I08	null	null
J09	F	56	Kidney	Uninvolved kidney tissue of I09	null	null
J10	M	64	Kidney	Uninvolved kidney tissue of I10	null	null
J11	M	52	Kidney	Uninvolved kidney tissue of I11	null	null
J12	F	59	Kidney	Uninvolved kidney tissue of I12	null	null
J13	M	40	Kidney	Uninvolved kidney tissue of I13	null	null
J14	M	65	Kidney	Uninvolved kidney tissue of I14	null	null
J15	F	42	Kidney	Uninvolved kidney tissue of I15	null	null

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)