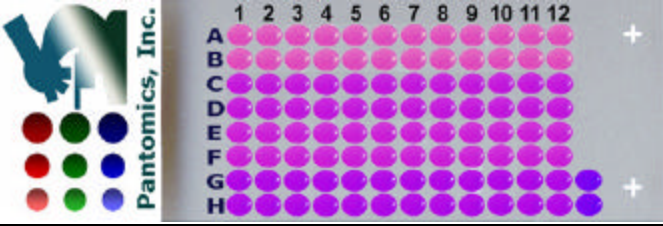




Cat No: KIC961 - Kidney cancer tissue array

Lot#	Cores	Size	Cut	Format	QA/QC
KIC96101	96	1.5mm	4um	8X12	H&E, IHC anti-Vimentin/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, 96 cores including 36 cases (purple/blue) of kidney cancers and 12 cases of 12 cases of normal, inflammatory and benign tumor tissues of the kidney (pink) in duplicates. 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. Each slide has >95% tissue core retention.

Array position	Age	Sex	Anatomic site	Histology	Grade	Stage (TNM)	Image
A1,B1	42	F	Kidney	Normal			
A2,B2	39	M	Kidney	Normal			
A3,B3	56	F	Kidney	Normal			
A4,B4	48	M	Kidney	Renal atrophy			
A5,B5	50	F	Kidney	Renal atrophy			
A6,B6	29	F	Kidney	Renal atrophy			
A7,B7	67	M	Kidney	Chronic pyelonephritis			
A8,B8	42	F	Kidney	Chronic pyelonephritis			
A9,B9	41	M	Kidney	Chronic pyelonephritis			
A10,B10	39	M	Kidney	Leiomyoma of blood vessel			
A11,B11	37	M	Kidney	Leiomyoma of blood vessel			
A12,B12	64	M	Kidney	Interstitial nephritis			
C1,D1	79	F	Kidney	Clear cell carcinoma		T1NOMO	
C2,D2	30	M	Kidney	Clear cell carcinoma		T1NOMO	
C3,D3	43	M	Kidney	Clear cell carcinoma		T1NOMO	
C4,D4	39	M	Kidney	Clear cell carcinoma		T2NOMO	
C5,D5	71	F	Kidney	Clear cell carcinoma		T1NOMO	
C6,D6	51	M	Kidney	Clear cell carcinoma		T1NOMO	
C7,D7	71	M	Kidney	Clear cell carcinoma		T1NOMO	
C8,D8	68	M	Kidney	Clear cell carcinoma		T2NOMO	
C9,D9	71	M	Kidney	Clear cell carcinoma		T2NOMO	
C10,D10	74	F	Kidney	Clear cell carcinoma		T1NOMO	
C11,D11	64	M	Kidney	Clear cell carcinoma		T1NOMO	
C12,D12	60	M	Kidney	Clear cell carcinoma		T1NOMO	
E1,F1	77	M	Kidney	Clear cell carcinoma		T1NOMO	
E2,F2	50	M	Kidney	Clear cell carcinoma		T2NOMO	
E3,F3	56	F	Kidney	Clear cell carcinoma		T2NOMO	
E4,F4	55	M	Kidney	Clear cell carcinoma		T1NOMO	
E5,F5	44	M	Kidney	Clear cell carcinoma		T1NOMO	



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E6,F6	53	F	Kidney	Clear cell carcinoma		T1N0M0	
E7,F7	67	M	Kidney	Clear cell carcinoma		T1N0M0	
E8,F8	53	M	Kidney	Clear cell carcinoma		T1N0M0	
E9,F9	36	M	Kidney	Papillary renal cell carcinoma		T1N1M0	
E10,F10	29	F	Kidney	Papillary renal cell carcinoma		T1N1M0	
E11,F11	50	F	Kidney	Papillary renal cell carcinoma		T1N0M0	
E12,F12	48	M	Kidney	Papillary renal cell carcinoma		T2N0M0	
G1,H1	69	M	Kidney	Papillary renal cell carcinoma		T1N0M0	
G2,H2	72	F	Kidney	Papillary renal cell carcinoma		T1N0M0	
G3,H3	59	M	Kidney	Papillary renal cell carcinoma		T1N0M0	
G4,H4	44	M	Kidney	Chromophobe cell carcinoma		T2N0M0	
G5,H5	62	M	Kidney	Chromophobe cell carcinoma		T1N0M0	
G6,H6	43	F	Kidney	Chromophobe cell carcinoma		T1N0M0	
G7,H7	60	M	Kidney	Transitional cell carcinoma	III	T1N0M0	
G8,H8	41	M	Kidney	Transitional cell carcinoma	III	T2N0M0	
G9,H9	71	M	Kidney	Transitional cell carcinoma	III	T2N0M0	
G10,H10	34	M	Kidney	Squamous cell carcinoma of the renal pelvis	I	T1N0M0	
G11,H11	73	M	Kidney	Non Hodgkin's lymphoma			
G12,H12	74	M	Kidney	Carcinosarcoma		T3N2M0	

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: 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)