



Cat No: **LVC481** - Liver cancer/adjacent paired tissue array

Lot#	Cores	Size	Cut	Format	QA/QC	Pantomics, Inc.	
LVC48101	48	2mm	4um	6X8	H&E, IHC anti-Cytokeratin		

**Recommended applications:** For research use only. Designed for liver normal vs cancer RNA or protein tissue profiling using IHC or ISH. Duplicated tumor tissues from each case are arrayed to minimize heterogeneity.

**Description:** 16 cases of liver cancer, each in duplicates (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. Each slide has >95% tissue core retention.

Array position	Sex	Age	Pathology	Stage (TNM)	Anatomic site
A1,B1	M	40	Hepatocellular carcinoma	T2NOMO	Liver
C1	M	40	Uninvolved Liver tissue of A1,B1	-	Liver
A2,B2	M	39	Hepatocellular carcinoma	T2NOMO	Liver
C2	M	39	Uninvolved Liver tissue of A2,B2	-	Liver
A3,B3	M	33	Hepatocellular carcinoma	T2NOMO	Liver
C3	M	33	Uninvolved Liver tissue of A3,B3	-	Liver
A4,B4	M	47	Hepatocellular carcinoma	T2NOMO	Liver
C4	M	47	Uninvolved Liver tissue of A4,B4	-	Liver
A5,B5	M	65	Hepatocellular carcinoma	T2NOMO	Liver
C5	M	65	Uninvolved Liver tissue of A5,B5	-	Liver
A6,B6	M	68	Hepatocellular carcinoma	T2NOMO	Liver
C6	M	68	Uninvolved Liver tissue of A6,B6	-	Liver
A7,B7	M	52	Hepatocellular carcinoma	T2NOMO	Liver
C7	M	52	Uninvolved Liver tissue of A7,B7	-	Liver
A8,B8	F	46	Hepatocellular carcinoma	T2NOMO	Liver
C8	F	46	Uninvolved Liver tissue of A8,B8	-	Liver
D1,E1	F	52	Hepatocellular carcinoma	T1NOMO	Liver
F1	F	52	Uninvolved Liver tissue of D1,E1	-	Liver
D2,E2	M	40	Hepatocellular carcinoma	T2NOMO	Liver
F2	M	40	Uninvolved Liver tissue of D2,E2	-	Liver
D3,E3	M	41	Hepatocellular carcinoma	T2NOMO	Liver
F3	M	41	Uninvolved Liver tissue of D3,E3	-	Liver
D4,E4	M	57	Hepatocellular carcinoma	T2NOMO	Liver
F4	M	57	Uninvolved Liver tissue of D4,E4	-	Liver
D5,E5	M	41	Hepatocellular carcinoma	T2NOMO	Liver



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F5	M	41	Uninvolved Liver tissue of D5,E5	-	Liver
D6,E6	M	36	Hepatocellular carcinoma	T2N0M0	Liver
F6	M	69	Uninvolved Liver tissue of D6,E6	-	Liver
D7,E7	M	61	Hepatocellular carcinoma	T2N0M0	Liver
F7	M	61	Uninvolved Liver tissue of D7,E7	-	Liver
D8,E8	M	43	Hepatocellular carcinoma	T2N1M0	Liver
F8	M	43	Uninvolved Liver tissue of D8,E8	-	Liver

**Notes: 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 : Liver carcinoma**

#### **T- Primary tumor**

- TX - Primary tumor cannot be assessed
- TO - No evidence of primary tumor
- T1 - Solitary tumor without vascular invasion
- T2 - Solitary tumor with vascular invasion or multiple tumors none larger than 5cm
- T3 - Multiple tumors more than 5 cm, or tumor involving a major branch of the portal or hepatic vein(s)
- T4 - Tumor(s) with direct invasion of adjacent organs other than the gallbladder or with perforation of visceral peritoneum

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

- NX - Regional lymph nodes cannot be assessed
- NO - No regional lymph node metastasis
- N1 - Regional lymph node metastasis

#### **M - Distant metastasis**

- MX - Distant metastasis cannot be assessed
- MO - No distant metastasis
- M1 - Distant metastasis