

General Information

Applications

- Immunohistochemistry
 - TUNEL for apoptosis In situ hybridization (ISH)
- mRNA •
 - miRNA •
 - Fluorescent In situ hybridization (FISH) •

Storage and stability

- Individual slide is put in an air-tight pack with inert gas.
- If the slides are stored at 4C, they are good for up to one year.

How processed

- Tissues were initially fixed with formalin except for some of the animal tissues
- Then, dehydrated with gradient ethanol; typically 1 hour each progressive steps; 70%, 90%, 95%, 99%, 100% x 3 times. Cleared by xylene, three changes for 1 hour each. Infiltrated with 60°C paraffin, three changes for 1 hour each

- Sectioned by microtome in 4 μ m thickness

Before use

- Dry slides for 1 hour in a oven at 60C.
- Dewax slides in xylene for 4 minutes x 5 times. Hydrate slides in 100%, 95% and 75% ethanol for 3 minutes x 2 times each.
- Immerse slides in tap water for 5 minutes.

Slide orientation

In most of the slides with 59 or 60 cores, the orientation is as below unless indicated otherwise. #60 location is usually filled with carbon for orientation.

	1	2	3	4	5	6	7	8	9	10
Chadad area	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
Shaueu area	30	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54	55	56	57	58	59	60

Tissue types*

The "tissue type" column in the data sheet denotes the following categories.

- 1. normal tissue from a non-cancer patient
- 2. normal tissue from a cancer patient, but the cancer involves unrelated organ
- 3. normal tissue adjacent to the cancer
- 4. benign tumor
- 5. tumor of borderline malignancy or uncertain malignant potential
- 6. cancer

No.	Age	Sex	Organ	Diagnosis	рТММ	Stage	NBP2-30216#	Tissue type*
1	66	F	Breast	infiltrating duct carcinoma	T2N0M0	ΠА		6
2	43	F	Breast	infiltrating duct carcinoma	T3N2aM0	ШA	102	6
3	58	F	Breast	infiltrating duct carcinoma	T2N3aM0	ШC	103	6
4	46	F	Breast	infiltrating duct carcinoma	T3N1aM0	ША	104	6
5	71	F	Breast	infiltrating papillary carcinoma with signet ring cell carcinoma	T3N1aM0	ШA	105	6
6	37	F	Breast	infiltrating duct carcinoma	T3N3aM0	ШC	106	6
7	53	F	Breast	mixed infiltrating duct and lobular carcinoma	T3N2aM0	ШA		6
8	30	F	Breast	medullary carcinoma	T3N0M0	ΠВ	108	6
9	47	F	Breast	atypical medullary carcinoma	T2N1aM0	ΠВ	109	6
10	39	F	Breast	infiltrating ductal carcinoma	T2N0M0	ΠА		6
11	32	М	Liver	combined hepatocellular and cholangiocarcinoma	T3N0M0	ШA	111	6
12	57	М	Liver	hepatocellular carcinoma	T3N0M0	ШA	112	6
13	58	F	Liver	hepatocellular carcinoma	T3N0M0	ШA		6
14	20	М	Liver	hepatocellular carcinoma	T4N0M0	ШB		6
15	63	F	Liver	hepatocellular carcinoma	T1N0M0	I		6
16	66	F	Liver	hepatocellular carcinoma	T1N0M0	Ι		6
17	61	М	Liver	hepatocellular carcinoma	T1N0M0	I	117	6
18	52	М	Liver	hepatocellular carcinoma	T3N0M0	ША		6
19	50	М	Liver	combined hepatocellular and cholangiocarcinoma	T3N1M0	ШC	119	6
20	56	М	Liver	hepatocellular carcinoma	T3N0M0	ШA		6
21	53	М	Urinary bladder	mucinous adenocarcinoma from urachal remnant	T4bN0M0	IV	121	6
22	60	М	Urinary bladder	transitional cell carcinoma	T3bN1M0	IV		6
23	60	М	Urinary bladder	transitional cell carcinoma	T3bN1M0	IV	123	6
24	65	М	Urinary bladder	transitional cell carcinoma	T4aN1M1	IV	124	6
25	74	М	Urinary bladder	transitional cell carcinoma	T1N0M0	I	125	6
26	63	F	Urinary bladder	transitional cell carcinoma	T1N0M0	Ι	126	6
27	58	М	Urinary bladder	transitional cell carcinoma	T3NXM0	Ш		6
28	46	М	Urinary bladder	transitional cell carcinoma	T1N0M0	Ι	128	6
29	76	М	Urinary bladder	transitional cell carcinoma	T3NXM0	Ш		6
30	63	М	Urinary bladder	transitional cell carcinoma	T3bN0M0	Ш	130	6
31	57	F	Ovary	serous adenocarcinoma	T3bN1M0	ШC		6
32	48	F	Ovary	serous adenocarcinoma, moderately differentiated	T3cN0M0	ШC		6
33	60	F	Ovary	serous surface papillary carcinoma, poorly differentiated	T2cN0M0	ΠС	133	6
34	41	F	Ovary	serous adenocarcinoma, moderately differentiated	T2cN1M0	ШC		6
35	64	F	Ovary	serous adenocarcinoma	T3cN0M0	ШC	135	6
36	60	F	Ovary	serous adenocarcinoma	T3cN1M0	ШС		6
37	54	F	Ovary	serous adenocarcinoma	T3aN0M0	ШA		6
38	58	F	Ovary	serous adenocarcinoma	T2cN0M0	ПС		6
39	16	F	Ovary	mucinous adenocarcinoma	T1aN0M0	ΙA		6
40	57	F	Ovary	serous adenocarcinoma, poorly differentiated	T3cN0M0	ШC		6
41	66	М	Pancreas	ductal adenocarcinoma, moderately differentiated	T4N1M0	Ш	141	6
42	71	М	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ШΒ		6
43	68	М	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ШΒ	143	6
44	45	Μ	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ШΒ	144	6
45	64	F	Pancreas	ductal adenocarcinoma, moderately differentiated	T4N0M0	Ш		6
46	64	F	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ΠВ		6
47	69	М	Pancreas	ductal adenocarcinoma, poorly differentiated	T4NxM0	Ш	147	6
48	46	М	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ΠВ		6
49	54	М	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ΠВ		6
50	40	М	Pancreas	ductal adenocarcinoma, moderately differentiated	T3N1M0	ШΒ	150	6
51	85	Μ	Prostate	adenocarcinoma	TxN0M1	IV		6
52	79	М	Prostate	adenocarcinoma	T2aN0M1	IV		6
53	53	Μ	Prostate	adenocarcinoma	T2aN0M1	IV		6
54	68	Μ	Prostate	adenocarcinoma	T2bN0M0	П		6
55	82	Μ	Prostate	adenocarcinoma	T2N0M1	IV		6
56	76	М	Prostate	adenocarcinoma	T3aN0M0	Ш		6
57	56	М	Prostate	adenocarcinoma	T2cN1M0	IV		6
58	66	М	Prostate	adenocarcinoma	T4N0M0	IV		6
59	54	М	Prostate	adenocarcinoma	T1aN0M0	Π	159	6
60			Carbon					

NBP2-30263 - Human Multi-tissue Tissue MicroArray (Cancer)

#: The normal tissue in NBP2-30216 of corresponding number is from the identical patient.TNM and Stage: AJCC Cancer Staging Manual (6th Edition)