

■ 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 µm 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
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
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
	1 11 21 30 41 51	1 2 11 12 21 22 30 32 41 42 51 52	1 2 3 11 12 13 21 22 23 30 32 33 41 42 43 51 52 53	1 2 3 4 11 12 13 14 21 22 23 24 30 32 33 34 41 42 43 44 51 52 53 54	41 42 43 44 45	30 32 33 34 35 36 41 42 43 44 45 46 51 52 53 54 55 56	30 32 33 34 35 36 37 41 42 43 44 45 46 47 51 52 53 54 55 56 57	21 22 23 24 25 26 27 28 30 32 33 34 35 36 37 38 41 42 43 44 45 46 47 48 51 52 53 54 55 56 57 58	21 22 23 24 25 26 27 28 29 30 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47 48 49

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
- 5. tumor of borderline malignancy or uncertain malignant potential
- cancer

NBP2-30301 - Stomach Matched Cancer & Normal Tissue MicroArray

No.	Age Sex Organ		Organ	Diagnosis	NBP2-30286*	Interval** (month)	Tissue type***	
1	28	F	Stomach	adenocarcinoma, poorly differentiated	105	11	6	
2	53	F	Stomach	adenocarcinoma, moderately differentiated	-	-	6	
3	34	F	Stomach	adenocarcinoma, poorly differentiated	101	0	6	
4	44	F	Stomach	adenocarcinoma, poorly differentiated	111	35	6	
5	43	F	Stomach	signet ring cell carcinoma	133	58	6	
6	35	F	Stomach	adenocarcinoma, poorly differentiated	119	24	6	
7	35	F	Stomach	adenocarcinoma, poorly differentiated	-	-	6	
8	42	F	Stomach	signet ring cell carcinoma	125	21	6	
9	69	F	Stomach	adenocarcinoma, poorly differentiated	115	12	6	
10	37	F	Stomach	signet ring cell carcinoma	120	17	6	
11	69	F	Stomach	adenocarcinoma, moderately differentiated	146	39	6	
12	42	F	Stomach	adenocarcinoma, poorly differentiated	126	16	6	
13	27	F	Stomach	adenocarcinoma, moderately differentiated	123	8	6	
14	45	F	Stomach	adenocarcinoma, poorly differentiated	141	28	6	
15	28	F	Stomach	adenocarcinoma, poorly differentiated	121	6	6	
16	29	F	Stomach	adenocarcinoma, poorly differentiated	-	-	6	
17	42	F	Stomach	adenocarcinoma, poorly differentiated	127	0	6	
18	44	F	Stomach	adenocarcinoma, poorly differentiated	130	0	6	
19	38	F	Stomach	adenocarcinoma, moderately differentiated	149	9	6	
20	50	F	Stomach	signet ring cell carcinoma	147	0	6	
21	33	F	Stomach	adenocarcinoma, poorly differentiated	148	0	6	
22	44	F	Stomach	normal mucosa of #4	111		3	
23	43	F	Stomach	normal mucosa of #5	133		3	
24	69	F	Stomach	normal mucosa of #11	146		3	
25	42	F	Stomach	normal mucosa of #12	126		3	
26	27	F	Stomach	normal mucosa of #13	123		3	
27	28	F	Stomach	normal mucosa of #15	121		3	
28	42	F	Stomach	normal mucosa of #17	127		3	
29	38	F	Stomach	normal mucosa of #19	149		3	
30	33	F	Stomach	normal mucosa of #21	148		3	
40			Carbon					

^{*:} Metastatic cancer tissue in NBP2-30286 array of corresponding number is from the identical patient.

Orientation

shaded area										
	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
										40

^{**}Interval: Time interval from gastrectomy to oophorectomy