

■ 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
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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

NBP2-30328 - Human Various Tissue MicroArray (Cancer)

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