



**Cat No: NPC231 - Nasopharyngeal carcinoma tissue array**

<b>Lot#</b>	<b>Cores</b>	<b>Size</b>	<b>Cut</b>	<b>Format</b>	<b>QA/QC</b>		
NPC23101	23	1.5mm	4um	3X8	H&E, IHC anti- Cytokeratin		

**Recommended applications:** For research use only. Designed for IHC or ISH based protein or RNA tissue profiling in nasopharyngeal carcinoma.

**Description:** Nasopharyngeal carcinoma tissue array, NPC231, non-overlapping with other NPC tissue arrays, containing 21 cases of primary tumors and 2 cases of metastatic tumors.

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 can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.**

Array Position	Sex	Age	Anatomic Site	Pathology	Grade	Stage
A01	F	48	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
A02	M	53	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
A03	M	32	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
A04	M	51	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
A05	M	54	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
A06	M	48	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
A07	M	62	Head and neck, nasopharynx	Non-keratinizing differentiated carcinoma	II	null
A08	F	35	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B01	F	45	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B02	M	49	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B03	M	38	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B04	F	67	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B05	F	50	Head and neck, left neck, subcutaneous tissue	Metastatic or invasive Non-keratinizing undifferentiated carcinoma	III	null
B06	M	60	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B07	M	48	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
B08	M	66	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
C01	F	36	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
C02	M	42	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
C03	M	51	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null
C04	F	51	Head and neck, nasopharynx	Non-keratinizing differentiated carcinoma	II	null
C05	F	50	Head and neck, nasopharynx	Non-keratinizing undifferentiated	III	null



## Advancing Biomedical Science Through Tissue Arrays

				carcinoma		
C06	M	33	Head and neck, mastoid process	Metastatic or invasive Non-keratinizing undifferentiated carcinoma	III	null
C07	M	51	Head and neck, nasopharynx	Non-keratinizing undifferentiated carcinoma	III	null

**Notes:** Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer.

**Certified by:** Langxing Pan, M.D.

## TNM Classification: Urinary bladder carcinoma

### T Primary tumor

TX Primary tumor cannot be assessed

T0 No evidence of primary tumor

Ta Noninvasive papillary carcinoma

Tis Carcinoma in situ: "flat carcinoma"

T1 Tumor invades subepithelial connective tissue

T2 Tumor invades muscle

T2a Tumor invades superficial muscle (inner half)

T2b Tumor invades deep muscle (outer half)

T3 Tumor invades perivesical tissue

T3a microscopically

T3b macroscopically (extravesical mass)

T4 Tumor directly invades any of the followings: prostate, uterus, vagina, pelvic wall, abdominal wall

T4a Tumor invades prostate, uterus, vagina

T4b Tumor invades pelvic wall, abdominal wall

### N Regional lymph nodes

NX Regional lymph nodes cannot be assessed

N0 No regional lymph node metastasis

N1 Metastasis in a single lymph node, 2 cm or less in greatest dimension

N2 Metastasis in a single lymph node more than 2 cm but not more than 5 cm in greatest dimension; or multiple lymph nodes, none more than 5 cm in greatest dimension

N3 Metastasis in a lymph node, more than 5 cm in greatest dimension

### M Distant metastasis

MX Distant metastasis cannot be assessed

M0 No distant metastasis

M1 Distant metastasis

AJCC. Cancer Staging Manual. Sixth Edition (2002)