



**Cat No: NPC1501 – Nasopharyngeal carcinoma tissue array**

Lot#	Cores	Size	Cut	Format	QA/QC	
NPC150101	150	1.1mm	4um	10X15	H&E, IHC anti-Cytokeratin	

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

**Description:** Nasopharyngeal carcinoma tissue array, set 1, non-overlapping with NPC111, NPC961, NPC962, NPC481, NPC1502, NPC1503 or NPC1504, containing 15 cases of chronic inflammation and 60 cases of NPC. EBV status, Co-60 treatment and survival data are available for most of the NPC cases.

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	36	Head and neck, nasopharynx	Chronic inflammation	null	null
A02	M	29	Head and neck, nasopharynx	Chronic inflammation	null	null
A03	F	57	Head and neck, nasopharynx	Chronic inflammation	null	null
A04	M	35	Head and neck, nasopharynx	Chronic inflammation	null	null
A05	F	50	Head and neck, nasopharynx	Chronic inflammation	null	null
A06	F	24	Head and neck, nasopharynx	Chronic inflammation	null	null
A07	M	64	Head and neck, nasopharynx	Chronic inflammation	null	null
A08	F	36	Head and neck, nasopharynx	Chronic inflammation	null	null
A09	M	39	Head and neck, nasopharynx	Chronic inflammation	null	null
A10	F	67	Head and neck, nasopharynx	Chronic inflammation	null	null
A11	M	41	Head and neck, nasopharynx	Chronic inflammation	null	null
A12	M	56	Head and neck, nasopharynx	Chronic inflammation	null	null
A13	M	36	Head and neck, nasopharynx	Chronic inflammation	null	null
A14	M	40	Head and neck, nasopharynx	Chronic inflammation	null	null
A15	M	22	Head and neck, nasopharynx	Chronic inflammation	null	null
B01	F	36	Head and neck, nasopharynx	Chronic inflammation	null	null
B02	M	29	Head and neck, nasopharynx	Chronic inflammation	null	null
B03	F	57	Head and neck, nasopharynx	Chronic inflammation	null	null
B04	M	35	Head and neck, nasopharynx	Chronic inflammation	null	null
B05	F	50	Head and neck, nasopharynx	Chronic inflammation	null	null
B06	F	24	Head and neck, nasopharynx	Chronic inflammation	null	null
B07	M	64	Head and neck, nasopharynx	Chronic inflammation	null	null
B08	F	36	Head and neck, nasopharynx	Chronic inflammation	null	null
B09	M	39	Head and neck, nasopharynx	Chronic inflammation	null	null
B10	F	67	Head and neck, nasopharynx	Chronic inflammation	null	null
B11	M	41	Head and neck, nasopharynx	Chronic inflammation	null	null
B12	M	56	Head and neck, nasopharynx	Chronic inflammation	null	null
B13	M	36	Head and neck, nasopharynx	Chronic inflammation	null	null
B14	M	40	Head and neck, nasopharynx	Chronic inflammation	null	null
B15	M	22	Head and neck, nasopharynx	Chronic inflammation	null	null
C01	M	42	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C02	F	46	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C03	M	50	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C04	M	51	Head and neck, nasopharynx	Squamous cell carcinoma	III	null



**Advancing Biomedical Science Through Tissue Arrays**

C05	M	60	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
C06	M	59	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C07	M	37	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
C08	M	45	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
C09	M	30	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
C10	F	36	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
C11	F	48	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
C12	M	34	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C13	F	60	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C14	M	40	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
C15	M	33	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D01	M	42	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D02	F	46	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D03	M	50	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D04	M	51	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D05	M	60	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
D06	M	59	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D07	M	37	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
D08	M	45	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
D09	M	30	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
D10	F	36	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
D11	F	48	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
D12	M	34	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D13	F	60	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D14	M	40	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
D15	M	33	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E01	M	45	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
E02	M	42	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E03	F	61	Head and neck, nasopharynx	Chronic inflammation	null	null
E04	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E05	M	33	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E06	M	27	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E07	M	42	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
E08	M	34	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E09	M	57	Head and neck, nasopharynx	Chronic inflammation	null	null
E10	F	58	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E11	F	64	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E12	F	55	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E13	M	47	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
E14	F	28	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
E15	M	36	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F01	M	45	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
F02	M	42	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F03	F	61	Head and neck, nasopharynx	Chronic inflammation	null	null
F04	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F05	M	33	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F06	M	27	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F07	M	42	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
F08	M	34	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F09	M	57	Head and neck, nasopharynx	Chronic inflammation	null	null
F10	F	58	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F11	F	64	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F12	F	55	Head and neck, nasopharynx	Squamous cell carcinoma	III	null



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F13	M	47	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
F14	F	28	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
F15	M	36	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G01	F	58	Head and neck, nasopharynx	No tumor cells	null	null
G02	M	44	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G03	M	48	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G04	F	47	Head and neck, nasopharynx	Spindle cell squamous carcinoma	null	null
G05	M	36	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G06	M	55	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G07	F	50	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
G08	M	45	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
G09	M	29	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
G10	M	39	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
G11	M	16	Head and neck, nasopharynx	Spindle cell squamous carcinoma	null	null
G12	M	39	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
G13	M	44	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G14	M	26	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
G15	M	58	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H01	F	58	Head and neck, nasopharynx	No tumor cells	null	null
H02	M	44	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H03	M	48	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H04	F	47	Head and neck, nasopharynx	Spindle cell squamous carcinoma	null	null
H05	M	36	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H06	M	55	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H07	F	50	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
H08	M	45	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
H09	M	29	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
H10	M	39	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
H11	M	16	Head and neck, nasopharynx	Spindle cell squamous carcinoma	null	null
H12	M	39	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
H13	M	44	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H14	M	26	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
H15	M	58	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
I01	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
I02	M	44	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
I03	M	34	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
I04	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
I05	F	63	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
I06	M	57	Head and neck, nasopharynx	Squamous cell carcinoma	I	null
I07	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
I08	M	38	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
I09	M	26	Head and neck, nasopharynx	Necrosis	null	null
I10	F	58	Head and neck, nasopharynx	No tumor cells	null	null
I11	M	44	Head and neck, nasopharynx	No tumor cells	null	null
I12	M	35	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
I13	M	50	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
I14	F	45	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
I15	M	51	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
J01	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
J02	M	44	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
J03	M	34	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
J04	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
J05	F	63	Head and neck, nasopharynx	Squamous cell carcinoma	III	null



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J06	M	57	Head and neck, nasopharynx	Squamous cell carcinoma	I	null
J07	M	41	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
J08	M	38	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
J09	M	26	Head and neck, nasopharynx	Necrosis	null	null
J10	F	58	Head and neck, nasopharynx	No tumor cells	null	null
J11	M	44	Head and neck, nasopharynx	No tumor cells	null	null
J12	M	35	Head and neck, nasopharynx	Squamous cell carcinoma	II~III	null
J13	M	50	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
J14	F	45	Head and neck, nasopharynx	Squamous cell carcinoma	III	null
J15	M	51	Head and neck, nasopharynx	Squamous cell 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:** Fancai Li, M.D.

## TNM Classification: Nasopharyngeal carcinoma

### T - Primary Tumor

TX - Primary tumor cannot be assessed  
T0 - No evidence of primary tumor  
Tis - Carcinoma in situ

T1 - Tumor confined to nasopharynx  
T2 - Tumor extends to soft tissue of oropharynx and/or nasal fossa  
T2a – without parapharyngeal extension  
T2b – with parapharyngeal extension  
T3 - Tumor invades bony structures and/or paranasal sinuses  
T4 - Tumor with intracranial extension and/or involvement of cranial nerves, infratemporal fossa, hypopharynx, or orbit

### N - Regional Lymph nodes

NX - Regional lymph nodes cannot be assessed  
N0 - No regional lymph node metastasis  
N1 - Unilateral metastasis in lymph node(s), 6cm or less in greatest dimension, above supraclavicular fossa  
N2 - Bilateral metastasis in lymph node(s), 6cm or less in greatest dimension, above supraclavicular fossa  
N3 - Metastasis in lymph node(s)  
(a) greater than 6cm in dimension  
(b) in the supraclavicular

### M - Distant Metastasis

MX - Distant metastasis cannot be assessed  
M0 - No distant metastasis  
M1 - Distant metastasis