GL804 : Brain tumor and normal tissue array with grade and TNM data, 40 cases/80 cores

Microarray Panel

| Core Diameter (mm) | Thickness (µm) | QA/QC | Tissue Array Type | Species |
|-------------------|----------------|-------|-------------------|---------|
| 1.5               | 5              | Anti-Cytokeratin (CK) confirmed | FFPE | Human |

Applications

Routine histology procedures including Immunohistochemistry (IHC) and In Situ Hybridization (ISH), protocols which can be found at our support page.

Notes

1. TMA slides were sectioned and stored at 4°C and may not be fresh cut, but still suitable for IHC. Please request fresh cut if experiment involves phospho-specific antibodies, RNA studies, FISH or ISH, etc. A minimum of 3 slides per TMA must be purchased to cover the cost of trimming for fresh sectioning. 2. Most TMA slides were not coated with an extra layer of paraffin (tissue cores can be easily seen on the glass). To prevent tissue detachment during antigen retrieval, unbaked slides must be baked for at least 30 to 120 minutes at 60°C before putting into xylene for de-paraffinization. Baked slides were sent out baked for 2 hours.

In the following specsheet, *** means invalid core; - means no applicable or negative in IHC markers.

Mouseover and click individual cores to view high resolution images.

Legend:

- Bra - Brain
- Malignant tumor, - NAT, - Normal tissue

| Pos. | No. | Age | Sex | Organ/Anatomic Site | Pathology diagnosis | TNM | Grade | Stage | Type | Image |
|------|-----|-----|-----|---------------------|---------------------|-----|-------|-------|------|-------|
| A1   | 1   | 44  | F   | Brain               | Astrocytoma (brain tissue) | T1N0M0 | -     |       | malignant |       |
| A2   | 2   | 44  | F   | Brain               | Astrocytoma          | T1N0M0 | 1–2   |       | malignant |       |
| A3   | 3   | 30  | M   | Brain               | Astrocytoma          | T1N0M0 | 1     |       | malignant |       |
| A4   | 4   | 30  | M   | Brain               | Astrocytoma          | T1N0M0 | 1     |       | malignant |       |
| A5   | 5   | 51  | M   | Brain               | Astrocytoma          | T1N0M0 | 2     |       | malignant |       |
| A6   | 6   | 51  | M   | Brain               | Astrocytoma          | T1N0M0 | 2     |       | malignant |       |
| A7   | 7   | 16  | F   | Brain               | Astrocytoma          | T1N0M0 | 2     |       | malignant |       |
| A8   | 8   | 16  | F   | Brain               | Astrocytoma          | T1N0M0 | 2     |       | malignant |       |
| A9   | 9   | 15  | F   | Brain               | Astrocytoma          | T1N0M0 | 2     |       | malignant |       |
| A10  | 10  | 15  | F   | Brain               | Astrocytoma          | T1N0M0 | 2     |       | malignant |       |
| B1   | 11  | 37  | M   | Brain               | Astrocytoma          | -    | 2     |       | malignant |       |
| B2   | 12  | 37  | M   | Brain               | Astrocytoma          | -    | 2     |       | malignant |       |

https://www.biomax.us/GL804
| Case | Core | Gender | Tissue Type | Tumor Type | Stage | Grade | Status |
|------|------|--------|-------------|------------|-------|-------|--------|
| B3   | 13   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| B4   | 14   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| B5   | 15   | M      | Brain       | Astrocytoma| 1     | malignant | 2 malignant |
| B6   | 16   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| B7   | 17   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| B8   | 18   | M      | Brain       | Astrocytoma (brain tissue)| - | malignant | - malignant |
| B9   | 19   | F      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| B10  | 20   | F      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| C1   | 21   | M      | Brain       | Protoplasmic astrocytoma| 2 | malignant | 2 malignant |
| C2   | 22   | M      | Brain       | Protoplasmic astrocytoma| 2 | malignant | 2 malignant |
| C3   | 23   | M      | Brain       | Astrocytoma| 3     | malignant | 3 malignant |
| C4   | 24   | M      | Brain       | Astrocytoma| 3     | malignant | 3 malignant |
| C5   | 25   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| C6   | 26   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| C7   | 27   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| C8   | 28   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| C9   | 29   | F      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| C10  | 30   | F      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| D1   | 31   | M      | Brain       | Astrocytoma| 3–4   | malignant | 3–4 malignant |
| D2   | 32   | F      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| D3   | 33   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| D4   | 34   | M      | Brain       | Astrocytoma| 2     | malignant | 2 malignant |
| D5   | 35   | F      | Brain       | Atypical astrocytoma| 3 | malignant | 3 malignant |
| D6   | 36   | F      | Brain       | Atypical astrocytoma| 3 | malignant | 3 malignant |
| D7   | 37   | F      | Brain       | Glioblastoma| 3–4 | malignant | 3–4 malignant |
| D8   | 38   | F      | Brain       | Glioblastoma| 3–4 | malignant | 3–4 malignant |
| D9   | 39   | F      | Brain       | Glioblastoma| 3–4 | malignant | 3–4 malignant |
| D10  | 40   | F      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| E1   | 41   | F      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| E2   | 42   | F      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| E3   | 43   | M      | Brain       | Glioblastoma (brain tissue)| - | malignant | - malignant |
| E4   | 44   | M      | Brain       | Glioblastoma (brain tissue)| - | malignant | - malignant |
| E5   | 45   | F      | Brain       | Glioblastoma| -    | malignant | - malignant |
| E6   | 46   | F      | Brain       | Glioblastoma| -    | malignant | - malignant |
| E7   | 47   | M      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| E8   | 48   | M      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| E9   | 49   | F      | Brain       | Glioblastoma| -    | malignant | - malignant |
| E10  | 50   | F      | Brain       | Glioblastoma| -    | malignant | - malignant |
| F1   | 51   | M      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| F2   | 52   | M      | Brain       | Glioblastoma| 4     | malignant | 4 malignant |
| F3   | 53   | M      | Brain       | Oligodendrogloma (sparse)| 1 | malignant | 1 malignant |
| F4   | 54   | M      | Brain       | Oligodendrogloma (brain tissue)| - | malignant | - malignant |
| F5   | 55   | F      | Brain       | Oligodendrogloma| 2 | malignant | 2 malignant |
| F6   | 56   | F      | Brain       | Oligodendrogloma| 2 | malignant | 2 malignant |
| F7   | 57   | M      | Brain       | Oligodendrogloma| 2–3 | malignant | 2–3 malignant |
| F8   | 58   | M      | Brain       | Oligodendrogloma| 2–3 | malignant | 2–3 malignant |
| F9   | 59   | M      | Brain       | Anaplastic oligodendrogloma| - | malignant | - malignant |
| F10  | 60   | M      | Brain       | Anaplastic oligodendrogloma| - | malignant | - malignant |
| G1   | 61   | M      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G2   | 62   | M      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G3   | 63   | M      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G4   | 64   | M      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G5   | 65   | F      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G6   | 66   | F      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G7   | 67   | M      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G8   | 68   | M      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G9   | 69   | F      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| G10  | 70   | F      | Brain       | Cancer adjacent normal brain tissue| - | NAT | - NAT |
| H1   | 71   | F      | Brain       | Normal brain tissue| - | normal | normal |
| H2   | 72   | F      | Brain       | Normal brain tissue| - | normal | normal |
**TNM grading:**

**T - Primary tumor**
- **Tx** - Primary tumor cannot be assessed
- **T0** - No evidence of primary tumor
- **Tis** - Carcinoma in situ; intraepithelial or invasion of lamina propria
- **T1** - Tumor invades submucosa
- **T2** - Tumor invades muscularis propria
- **T3** - Tumor invades through muscularis propria into subserosa or into non-peritonealized pericolic or perirectal tissues.
- **T4** - Tumor directly invades other organs or structures and/or perforate visceral peritoneum

**N - Regional lymph nodes**
- **Nx** - Regional lymph nodes cannot be assessed
- **N0** - No regional lymph node metastasis
- **N1** - Metastasis in 1 to 3 regional lymph nodes
- **N2** - Metastasis in 4 or more regional lymph nodes

**M - Distant metastasis**
- **Mx** - Distant metastasis cannot be assessed
- **M0** - No distant metastasis
- **M1** - Distant metastasis