**Table S4: Comparison of antibody SI and histological features** **for grade 2 tumors** (p-values, 2-tailed exact values from Mann-Whitney U tests).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | EGFR25 (ICD) | EGFR113 (ECD) | Ph-EGFR | EGF | TGFα |
| Mitosis 4+ (n=40) | 0.214 | 0.289 | 1.000 | **0.022** | 1.000 |
| Brain infiltration present (n=12) | 0.116 | 0.078 | 0.510 | 0.777 | 1.000 |
| Sheeting present(n=10) | 1.000 | 0.421 | 0.584 | 0.765 | 1.000 |
| Macronucleoli present(n=8) | 0.887 | 0.779 | 0.620 | 0.623 | 1.000 |
| Hypercellularity absent(n=35) | 0.552 | 0.696 | 0.616 | **0.036** | 1.000 |
| Small cell change present(n=12) | 0.647 | 0.982 | 1.000 | 0.351 | 1.000 |
| Necrosis absent(n=30) | 0.539 | 0.558 | **0.037** | 0.483 | 1.000 |
| Psammoma bodies absent(n=23) | 0.060 | **<0.001** | 0.632 | 0.073 | 1.000 |

Values in bold: statistically significant. Ph-EGFR: phosphorylated EGFR. Brain infiltration: n=31.