*Table S1 antibodies used for immunodetection on clinical samples.*

| **Antibody** | **Type** | **Source** | **Product #** | **Dilution** |
| --- | --- | --- | --- | --- |
| HIF-1α (D2U3T) Rabbit mAb | Primary | Cell Signaling Technology | 14179 | 1:2000 |
| HIF-2α (E8E5Z) Rabbit mAb | Primary | Cell Signaling Technology | 71565 | 1:2000 |
| OGT (D1D8Q) Rabbit mAb | Primary | Cell Signaling Technology | 24083S | 1:2000 |
| Pumilio 1 Antibody | Primary | Cell Signaling Technology | 12322 | 1:2000 |
| O-linked N-acetylglucosamine (O-GlcNAc) Monoclonal Antibody (RL2) | Primary | Invitrogen | - | 1:2000 |
| Anti-TUBB3 antibody (STJ97131) | Primary | St John's Laboratory | - | 1:2000 |
| Anti-rabbit IgG, HRP-linked Antibody | Secondary | Cell Signaling Technology | 7074 | 1:5000 |
| Anti-mouse IgG, HRP-linked Antibody | Secondary | Cell Signaling Technology | 7076 | 1:5000 |