**Supplemental Table 1**

**Table 1 : Primary antibodies used for cell signaling analysis and immunohistochemistry**

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| **Antibodies for cell signalling analysis** |
| **Targets****(Manufacturer)** | **Phosphorylatedresidues** | **Species** | **Dilution used** |
| **P-mTOR(Cell Signaling)** | Ser2448 | Rabbit | 1 :1000 |
| **mTOR(Cell Signaling)** |  | Rabbit | 1 :1000 |
| **P-AKT(Cell Signaling)** | Thr 308 | Rabbit | 1 :1000 |
| **P-AKT(Cell Signaling)** | Ser 473 | Rabbit | 1 :1000 |
| **AKT(Cell Signaling)** |  | Rabbit | 1 :1000 |
| **Antibodies for cell signalling analysis** |
| **KI67 (Abcam)** |  | Rabbit | 1/50 |
| **CD31 (Abcam)** |  | Rabbit | 1/100 |
| **CD146 (Abcam)** |  | Rabbit | 1/200 |
| **Osterix (Abcam)** |  | Rabbit | 1/800 |