

Supplementary Table 1. List of antibody used in this study.

| Number | Name | Company | Cat No |
|--------|---|---------------------------|----------|
| 1 | Phospho-S6 Ribosomal Protein (Ser235/236) (D57.2.2E) XP® Rabbit mAb | Cell Signaling Technology | 4858S |
| 2 | S6 Ribosomal Protein (5G10) Rabbit mAb | Cell Signaling Technology | 2217S |
| 3 | Akt (pan) (C67E7) Rabbit mAb | Cell Signaling Technology | 4691S |
| 4 | Phospho-Akt (Ser473) (D9E) XP® Rabbit mAb | Cell Signaling Technology | 4060S |
| 5 | Tuberin/TSC2 (D93F12) XP® Rabbit mAb | Cell Signaling Technology | 4308S |
| 6 | Rictor (53A2) Rabbit mAb | Cell Signaling Technology | 2114S |
| 7 | Raptor (24C12) Rabbit mAb | Cell Signaling Technology | 2280S |
| 8 | β-Catenin (6B3) Rabbit mAb | Cell Signaling Technology | 9582S |
| 9 | Pan-Cadherin (28E12) Rabbit mAb | Cell Signaling Technology | 4073S |
| 10 | E-Cadherin (24E10) Rabbit mAb | Cell Signaling Technology | 3195S |
| 11 | β-Actin Antibody | Cell Signaling Technology | 4967L |
| 12 | Vimentin (D21H3) XP® Rabbit mAb | Cell Signaling Technology | 5741S |
| 13 | GSK3-Beta(27C10) | Cell Signaling Technology | 9315 |
| 14 | phospho-GSK3beta(Ser9) | Cell Signaling Technology | 9336S |
| 15 | Catenin delta-1 antibody | Cell Signaling Technology | 4989S |
| 16 | alpha-E-Catenin (23B2) Rabbit mAb | Cell Signaling Technology | 3240S |
| 17 | N-Cadherin Rabbit Ab | Cell Signaling Technology | 4061P |
| 18 | E-cadherin (67A4) | Santa Cruz Biotech | sc-21791 |
| 19 | ant-SMA antibody | sigma | 4795 |
| 20 | Alexa-Fluor 488 goat anti-mouse IgG (H+L) | Invitrogen | A11001 |
| 21 | Alexa-Fluor 633 goat anti-mouse IgG (H+L) | Invitrogen | A21052 |