**Supplementary Table SII  Antibody information.**

| Antibody            | Company     | Catalog number | Species reactivity                  | Source | WB concentration (μg/ml) | IHC concentration (μg/ml) | IF concentration (μg/ml) | IP concentration (μg/ml) |
|---------------------|-------------|----------------|-------------------------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|
| Anti-aquaporin 3    | Abcam       | ab125219       | Mouse, rat, human                   | Rabbit | 1                        | 5                        | 5                        | 5                        |
| Anti-aquaporin 3    | Snata       |                |                                     | Goat   | 1                        | 5                        | 5                        | 5                        |
| Ezrin antibody      | Cell Signaling Technology #3145 | Human, mouse, rat, monkey, bovine | Rabbit | 1                      |                          |                          |                          |                          |
| E-cadherin antibody | Proteintech | 20874-1-AP     | Human, mouse, rat                   | Rabbit | 1                        |                          |                          |                          |
| N-cadherin antibody | Proteintech | 22018-1-AP     | Human, mouse, rat, Gekko japonicus  | Rabbit | 1                        |                          |                          |                          |
| F-actin antibody    | Abcam       | ab205          | Mouse, rat, rabbit, human           | Mouse  | 1                        |                          |                          |                          |
| β-Tubulin           | Proteintech | 10094-1-AP     | Human, mouse, rat, hamsters         | Rabbit | 1                        |                          |                          |                          |