**Supplementary Table 2. Primary antibodies used in this study**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Antibody**  | **Species** | **Source** | **Ref.-No.** | **RRID** | **WB Dilution** | **IF Dilution** |
| β-Actin | Mouse | Cell Signaling | 3700 | AB\_2242334 | 1:100 000 | - |
| DCX | Guinea Pig | Millipore | AB2253 | AB\_1586992 | - | 1:400 |
| FOXA2 | Mouse | Santa Cruz | sc-101060 | AB\_1124660 | - | 1:250 |
| GBA  | Mouse | Abnova | H00002629-M01 | AB\_1505986 | - | 1:500 |
| GBA | Rabbit | Sigma | G4171 | AB\_1078958 | 1:500 | - |
| HPIg | Rabbit | Cell Signaling | 2619S | AB\_2070984 | - | 1:200 |
| Ki67 | Mouse | BD Biosciences | 550609 | AB\_393778 | - | 1:200 |
| LAMP1 | Mouse | Abcam | ab25630 | AB\_470708 | - | 1:400 |
| LaminB1 | Rabbit | Abcam | ab16048 | AB\_443298 |  | 1:200 |
| LC3 | Rabbit | MBL | PM036 | AB\_2274121 | 1:1000 | 1:1000 |
| MAP2 | Rabbit | Abcam | ab32454 | AB\_2138147 | - | 1:100 |
| MAP2  | Mouse | Millipore | MAB3418 | AB\_94856 | - | 1:200 |
| MAP2 | Chicken | Abcam | ab92434 | AB\_2138147 | - | 1:1000 |
| Nestin | Mouse | Millipore | MAB5326 | AB\_2251134 | - | 1:100 |
| Pax6 | Rabbit | Covance | PRB-278P | AB\_291612 | - | 1:300 |
| P62 (SQSTM1) | Mouse | Abcam | ab56416 | AB\_945626 | 1:500 | - |
| Sox2 | Goat | R&D Systems | AF2018 | AB\_355110 | - | 1:100 |
| Sox2  | Rabbit | Abcam | ab97959 | AB\_2341193 | 1:500 | - |
| TH | Rabbit | Santa Cruz | sc-14007 | AB\_671397 | 1:1000 | - |
| TH  | Rabbit  | Abcam | ab112 | AB\_297840 | - | 1:1000 |
| Tom20 | Mouse | Santa Cruz | sc-17764 | AB\_628381 | 1:500 | - |
| TUJ1  | Chicken  | Millipore | AB9354 | AB\_570918 | - | 1:600 |
| TUJ1 | Mouse | BioLegend | 801201 | AB\_2313773 | 1: 50 000 | - |
| VDAC | Rabbit | Cell Signaling | 4661 | AB\_10557420 | 1:1000 | - |