

S2 Table. List of primary antibodies.

| Antibody | Clone | Ig type | Supplier | Catalog number | Application and dilution |
|-----------------------|--------------|----------------|-----------------|-----------------------|---------------------------------|
| For mouse Exp. | | | | | |
| Pax7 | PAX7 | Mouse IgG1, k | DSHB | PAX7 | ICC: x20 (supernatant) |
| MyoD | 5.8A | Mouse IgG1, k | DAKO | M3512 | ICC: x200 |
| Myogenin | F5D | Mouse IgG1, k | DSHB | F5D | ICC: x20 |
| Dystrophin | Polyclonal | Rabbit IgG | Abcam | ab15277 | IHC: x500 |
| For human Exp. | | | | | |
| PAX7 | PAX7 | Mouse IgG1, k | DSHB | Pax7 | ICC: x2 (supernatant) |
| MYOD | EPR6653-131 | Rabbit IgG | Abcam | ab133627 | ICC: x150 |
| SPECTRIN | RBC2/3D5 | Mouse IgG2b | Abnova | MAB9510 | IHC: x100 |
| LAMIN A/C | EPR4100 | Rabbit IgG | Abcam | ab108595 | IHC: x400 |