

Supplementary Table 2. Primary antibodies

| Immunogen | Antibody | Name/ reference | Supplier | Concentration |
|--------------------------|------------|--------------------|---|---------------|
| CD90 | monoclonal | 5E10 | BD Biosciences, San Diego, http://www.bdbiosciences.com | 1/100 |
| β III tubulin | | CBL412 | Chemicon http://www.chemicon.com | 1/200 |
| Desmin | monoclonal | CloneD33 | DakoCytomation http://www.dako.fr | 1/50 |
| eGFP alexa fluor 488 | | A21311 | Invitrogen | 1/1000 |
| Galactocereb roside C | monoclonal | VMA342 | Abcys | 1/100 |
| GATA4 | polyclonal | C-20/ sc- 1237 | Santacruz Biotechnology, Inc. http://scbt.com a gift from Claire Chazaud ; Inserm U384 | 1/100 |
| GFAP | monoclonal | SMI21 | SternbergerMonoclonals Inc. | 1/1000 |
| GFAP | polyclonal | | DakoCytomation | 1/1000 |
| Glucagon | monoclonal | Clone K79bB10 | Sigma ; St. Louis, http://www.sigmaaldrich.com | 1/500 |
| HNF3 β | polyclonal | M-20 / sc- 6554 | DSHB (Developmental Studies Hybridoma Bank, Iowa City, IA, http://www.uiowa.edu) | 1/500 |
| Human nuclei | monoclonal | VMA1281 | Abcys http://www.abcysonline.com | 1/100 |
| Ki67 | | MM1 | TEBU | 1/200 |
| MAP2 | monoclonal | M4403 | Sigma | 1/800 |
| Nanog | | hNanog.1 | e-bioscience http://www.ebioscience.com | 1/500 |
| Nestin | monoclonal | MAB5326 | Chemicon | 1/100 |

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|----------|------------|----------------------|-------------------------------|--------|
| NF165 | monoclonal | 2H3 | DSHB | 1/50 |
| Oct-4 | monoclonal | C-10 / sc5279 | Santa Cruz Biotechnology Inc. | 1/1000 |
| SSEA4 | monoclonal | MC-813 | DSHB | 1/100 |
| TRA-1-60 | monoclonal | TRA-1-60/ MAB4360 | Chemicon | 1/100 |
| TRA-1-81 | monoclonal | TRA-1-81 | DSHB | 1/100 |
| BrdU | monoclonal | PRB-1 | Molecular Probes | 1/75 |