

## Material:

### Cell culture

|                                                                             |                                       |
|-----------------------------------------------------------------------------|---------------------------------------|
| Antibioticum-Antimycotium (AA)                                              | GIBCO BRL, Paisley, UK (15240-096)    |
| Dulbecco's Modified Eagle Medium (DMEM)                                     | GIBCO BRL, Paisley, UK (13960-044)    |
| Dulbecco's Modified Eagle Medium (DMEM)-F12                                 | GIBCO BRL, Paisley, UK (21331-020)    |
| FCS Charcoal Stripped                                                       | Hyclone, MA, USA (SH30068.03)         |
| Fetal Calf Serum (FCS)                                                      | GIBCO BRL, Paisley, UK (16140-071)    |
| Gentamicine                                                                 | Sigma-Aldrich, Buchs,CH (G-1272)      |
| Hank's Buffered Salt Solution with $\text{Ca}^{2+}$ and $\text{Mg}^{2+}$    | Sigma-Aldrich, Buchs,CH (H-8294)      |
| Hank's Buffered Salt Solution without $\text{Ca}^{2+}$ and $\text{Mg}^{2+}$ | Bioconcept, Allschwil, CH (3-02K34-I) |
| Insulin                                                                     | Sigma-Aldrich, Buchs,CH (I-9278)      |
| L-Glutamine                                                                 | Sigma-Aldrich, Buchs,CH (G-7513)      |
| L-Thyroxine                                                                 | Sigma-Aldrich, Buchs,CH (T-1775)      |
| Oli-neu Cells (Oligodendrocytes)                                            | From Martin Moransard, BZE UZH/ETH    |
| Poly-D-Lysine                                                               | Sigma-Aldrich, Buchs,CH (P-7820)      |
| Progesterone                                                                | Sigma-Aldrich, Buchs,CH (P-0130)      |
| Putrescine                                                                  | Sigma-Aldrich, Buchs,CH (P-7505)      |
| Sodium Selenite                                                             | Sigma-Aldrich, Buchs,CH (S-5261)      |
| Transferrin                                                                 | Sigma-Aldrich, Buchs,CH (T-2252)      |
| Tri-Iodo-Thyrodine                                                          | Sigma-Aldrich, Buchs,CH (T-6397)      |
| Trypsin                                                                     | Sigma-Aldrich, Buchs,CH (T-3924)      |

### Antibodies and Peptides

|                        |                                           |
|------------------------|-------------------------------------------|
| Anti.Survivin          | Chemicon International, CA, USA (AB3610)  |
| Anti-Akt               | Cell Signaling Technology, MA, USA (9272) |
| Anti-Caspase 3         | Upstate Biotechnology, NY, USA (06-735)   |
| Anti-Caspase7          | Cell Signaling Technology, MA, USA (9492) |
| Anti-cdk2              | Upstate Biotechnology, NY, USA (06-505)   |
| Anti-Cleaved Caspase 3 | Cell Signaling Technology, MA, USA (9661) |
| Anti-Cleaved Caspase 7 | Cell Signaling Technology, MA, USA (9491) |
| Anti-Cyclin B1         | Cell Signaling Technology, MA, USA (4138) |
| Anti-Cyclin D          | Millipore, Temecula, CA (06-137)          |
| Anti-Cyclin E          | Cell Signaling Technology, MA, USA (4129) |
| Anti-p21               | BD Biosciences, Europe (554228)           |
| Anti-p27               | Chemicon International, CA, USA (AB3003)  |
| Anti-p38 MAPK          | Cell Signaling Technology, MA, USA (9212) |
| Anti-PARP              | Cell Signaling Technology, MA, USA (9542) |

|                                       |                                           |
|---------------------------------------|-------------------------------------------|
| Anti-Phospho-Akt (Ser473              | Cell Signaling Technology, MA, USA (9271) |
| Anti-Phospho-p38 MAPK                 | Cell Signaling Technology, MA, USA (9211) |
| Anti-Phospho-SAPK/JNK                 | Cell Signaling Technology, MA, USA (9255) |
| Anti-pRb                              | BD Biosciences, Europe (554136)           |
| Anti-SAPK/JNK                         | Cell Signaling Technology, MA, USA (9252) |
| Anti-β-Actin                          | Sigma, St Louis, USA (A-5441)             |
| IGF-Peroxidase Conj. Goat anti-Mouse  | Pierce, Rockford, USA (31430)             |
| IGF-Peroxidase Conj. Goat anti-Rabbit | Pierce, Rockford, USA (31460)             |
| IRDye 680 Conj. Goat anti-Mouse IgG   | LI-COR, NE, USA (926-32220)               |
| IRDye 680 Conj. Goat anti-Rabbit IgG  | LI-COR, NE, USA (926-32221)               |
| IRDye 800 Conj. Goat anti-Mouse IgG   | LI-COR, NE, USA (926-32210)               |
| IRDye 800 Conj. Goat anti-Rabbit IgG  | LI-COR, NE, USA (926-32211)               |

### Chemicals and Buffers

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| 2-Methoxyestradiol (2ME)               | Steraloids, Newport. RI, USA (E2490)               |
| 5'- <sup>3</sup> H-Thymidine           | Perkin Elmer NEN, Wellesley, USA<br>(NET027Z001MC) |
| DAPI counterstain                      | Vysis Inc. (32-804 831)                            |
| Propidium iodide (PI)                  | Sigma, St. Louis, USA (P-4170)                     |
| Thiazol Blue Tetrazolium Bromide (MTT) | Sigma-Aldrich, MO, USA (M-5655)                    |