

NOTE - this document was generated by students *Kars van der Weijden and Kevin van der Graaf* students of the Hogeschool Leiden. January 2011.

| Antibody           | Epitope | Type | M/P | Raised in | IG-subtype | On coupe | On Western | Cross react. | Reference                              | Supplier                     |
|--------------------|---------|------|-----|-----------|------------|----------|------------|--------------|--|------------------------------|
| VIA4-1             |         |      |     |           |            | +        |            |              | Huizing (2004) Mol Genet Metab 81, 196 | Upstate biotechnology        |
| IIH6               |         |      |     |           |            | +        | +          |              | Huizing (2004) Mol Genet Metab 81, 196 | Upstate biotechnology        |
| Core               |         |      |     | sheep     |            | +        |            |              | Huizing (2004) Mol Genet Metab 81, 196 |                              |
| Laminin $\alpha$ 2 |         |      |     |           |            | +        |            |              | Huizing (2004) Mol Genet Metab 81, 196 | Chemicon                     |
| B-dystroglycan     |         |      |     |           |            | +        | +          |              | Huizing (2004) Mol Genet Metab 81, 196 | BD Transduction Laboratories |

### **Legend:**

**Antibody:** core: antibody that recognizes the core of  $\alpha$ -dystroglycan. VIA4-1 and IIH6: anti- $\alpha$ -dystroglycan antibodies. **Antibody:** name of antibody. **Epitope:** epitope of the antibody (usually the sequence used to raise the antibody). **Type:** type of epitope used to raise the antibody fp = fusion protein, syn = synthetic peptide. **M/P** antibody is M = monoclonal, P = polyclonal. **Raised in:** animal in which the antibody was raised. **IG-subtype:** IG-subtype of the antibody. **On coupe:** signal on tissue sections: + = clear signal, - = no signal (ch=chicken, hu=human, mo=mouse, rat=rat, rb=rabbit). **On Western:** signal on Western blots: + = clear signal, - = no signal (ch=chicken, hu=human, mo=mouse, rat=rat, rb=rabbit). **Cross react:** observed cross reactivity with. **Reference:** publication providing details regarding the antibody. **Supplier:** supplier (if known).

| Antibody                            | Epitope | Type | M/P | Raised in | IG-subtype | On coupe | On western | Cross react. | Reference                                | Supplier                                   |
|-------------------------------------|---------|------|-----|-----------|------------|----------|------------|--------------|--|--|
| AbPP (6E10)                         |         |      | M   | Mouse     |            | +        |            |              | Malicdan (2007) Human Mol Genet 16, 2669 | Chemicon International, Inc., Temecula, CA |
| Ab 1-40                             |         |      | P   | Rabbit    |            | +        |            |              | Malicdan (2007) Human Mol Genet 16, 2669 | Chemicon                                   |
| Ab 1-42                             |         |      | P   | Rabbit    |            | +        |            |              | Malicdan (2007) Human Mol Genet 16, 2669 | Chemicon                                   |
| Ab oligomer (A11)                   |         |      | P   | Rabbit    |            |          |            |              | Malicdan (2007) Human Mol Genet 16, 2669 | Chemicon                                   |
| Human Beta Site APP cleaving enzyme |         |      | P   | Rabbit    |            |          |            |              | Malicdan (2007) Human Mol Genet 16, 2669 | Alpha Diagnostic International             |
| Caveolin 3                          |         |      | P   | Rabbit    |            |          |            |              | Malicdan (2007) Human Mol Genet 16, 2669 | Transduction Laboratories, Lexington, KY   |

|                           |  |  |   |        |  |   |  |  |  |   |
|---------------------------|--|--|---|--------|--|---|--|--|--|---|
| a-Dystroglycan (VIA4-1)   |  |  | M | Mouse  |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Upstate Cell Signaling Solutions, Lake Placid, NY |
| b-Dystroglycan            |  |  | P | Rabbit |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 |   |
| Grp94 (9G10)              |  |  | M | Rat    |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Stressgen Biotechnologies, Calgary, Canada        |
| LAMP-1 (25)               |  |  | M | Mouse  |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | BD Transduction Laboratories, Lexington, KY       |
| LAMP-2A                   |  |  | P | Rabbit |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 |   |
| LC3                       |  |  | P | Rabbit |  |   |  |  | Malicdan (2007) Human Mol Genet 16, 2669 |   |
| NCAM (123C3)              |  |  | M | Mouse  |  |   |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Santa Cruz Biotechnology, Inc.                    |
| a-Sarcoglycan (Ad1/20A6)  |  |  | M | Mouse  |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Novocastra Laboratories, Ltd                      |
| b-Sarcoglycan (bSarc/5B1) |  |  | M | Mouse  |  |   |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Novocastra Laboratories, Ltd                      |
| Poly-ubiquitin (FK1)      |  |  | M | Mouse  |  |   |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Biomol International                              |
| Neurofilament (SM-31)     |  |  | M | Mouse  |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Sternberg Monoclonals, Inc., Maryland, USA        |
| Neurofilament (SM-310)    |  |  | M | Mouse  |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 | Sternberg Monoclonals, Inc., Maryland, USA        |
| tau C                     |  |  | P | Rabbit |  | + |  |  | Malicdan (2007) Human Mol Genet 16, 2669 |   |

### **Legend:**

**Antibody:** These antibodies were used in Gne knockout mice. **Antibody:** name of antibody. **Epitope:** epitope of the antibody (usually the sequence used to raise the antibody). **Type:** type of epitope used to raise the antibody fp = fusion protein, syn = synthetic peptide. **M/P** antibody is M = monoclonal, P = polyclonal. **Raised in:** animal in which the antibody was raised. **IG-subtype:** IG-subtype of the antibody. **On coupe:** signal on tissue sections: + = clear signal, - = no signal (ch=chicken, hu=human, mo=mouse, rat=rat, rb=rabbit). **On Western:** signal on Western blots: + = clear signal, - = no signal (ch=chicken, hu=human, mo=mouse, rat=rat, rb=rabbit). **Cross react:** observed cross reactivity with. **Reference:** publication providing details regarding the antibody. **Supplier:** supplier (if known).