**Supplementary Table e-1. Primary antibodies**

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| Primary antibodies | Origin | Target | Dilution | Antigen retrieval | Source |
| Chi3l1 | goat (pAB IgG) | Chitinase 3-like 1 | 1:200 (1:50-1:100 in IF) | EDTA pH 9 | AF2599; R&D |
| TPPP | mouse | Tubulin polymerization promoting protein | 1:2000 | EDTA pH 9 | Prof. Lassmann |
| Iba1 | rabbit (pAB) | Ionized calcium binding adaptor molecule 1 | 1:1000  (1:500 in IF) | EDTA pH 9 | 019-19741; Wako |
| GFAP | rabbit (pAB) | Glial fibrillary acidic protein | 1:1000 (1:500 in IF) | EDTA pH 9 | Z0334; Dako |
| NeuN | mouse (mAB) | Neuron-Specific Nuclear Protein | 1:5000 (CSA) | Citrate pH 6 | MAB377; Chemicon |
| Biotinylated IgG |  | Inmunoglobulin type G | 1:500 | Proteinase 15’ | Dako |
| CD68 | mouse | Cluster of Differentiation 68 | 1:100 | EDTA pH 9 | Dako |
| PLP | mouse (mAB, IgG2a) | Proteolipid protein | 1:1000 | EDTA pH9 | MCA839G; Serotec |
| APP | mouse (mAB, IgG1) | Amyloid Precursor Protein | 1:500 | EDTA pH 9 | MAB348; Merck |

mAB = monoclonal antibody; pAB polyclonal antibody; IF: immunofluorescence.