**Supplementary Material**

**Supplementary Table 1.** List of the primary antibodies used in this study

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| --- | --- | --- | --- |
| Antibody | Species | Dilution | Supplier/cat. no |
| Anti-TREM2 | Mouse (monoclonal) | 1:500 for IHC1:200 for WB | Abcam (ab201621) |
| Anti-TREM2 | Rabbit monoclonal) | 1:500 for IHC1:200 for WB | Abcam (ab209814)  |
| Anti-DAP12 | Rabbit (polyclonal) | 1:200 for IHC | Abcam (Ab93846) |
| Anti-GFAP | Mouse (monoclonal) | 1:1000 for IHC | Sigma (G3893 Clone G-A-5) |
| Anti-β amyloid 1-16 amino acid (6E10) | Mouse (monoclonal) | 1:1000 for IHC | Covance cat number (SIG 39320) |
| Anti-Aβ (1-40) | Rabbit (polyclonal) | 1:200 for IHC | Millipore (Ab5737) |
| Anti β-actin | Mouse (monoclonal) | 1:10000 for WB | Sigma (clone AC-74,A5316) |
| Anti-APOE | Rabbit (polyclonal) | 1:200 for IHC | Abcam (ab85311) |
| Anti-CD42b | Rabbit (polyclonal) | 1:200 for IHC | Abcam (Ab104704) |
| Anti- Iba1 | Rabbit (polyclonal) | 1:200 for IHC | WAKO (Cat. 19-19741) |
| Anti-CD68 | Mouse (monoclonal) | 1:1000 for IHC | Abcam (Ab53444) |
| Anti-LAMP1 | Rabbit(monoclonal) | 1:500 for IHC | Abcam (Ab24170) |
| Anti-EEA1 | Rabbit (polyclonal) | 1:500 for IHC | Abcam (Ab2900) |
| Anti-Serum albumin | Mouse (monoclonal) | 1:5000 for WB | Abcam (Ab7793) |

IHC, immunohistochemistry; WB, western blot.