**Table S1.** Antibodies used in this study

|  |  |  |  |
| --- | --- | --- | --- |
| Antibodies  | Catalog | Source  | Application |
| Anti-PON1 [EPR2893]  | ab126597 | Abcam | WB IP |
| Anti-PON1 [17A12]  | ab24261 | Abcam | WB IF |
| Anti-MAP2  | ab32454 | Abcam | IF |
| Anti-GFAP  | ab7260 | Abcam | IF |
| Anti-Iba1 [EPR16589]  | ab178847 | Abcam | IF |
| Anti-CD11b/c [OX42] | ab1211 | Abcam | IF  |
| Anti- iNOS  | ab15323 | Abcam | WB IF |
| Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP® Rabbit mAb | 4370s | CST | WB |
| p44/42 MAPK (Erk1/2)  | 9102s | CST | WB |
| Anti-GAPDH [mAbcam 9484] – Loading Control (HRP)  | ab9482 | Abcam | WB |
| Anti-TREM2 [MM0942-42E14]  | ab201621 | Abcam | WB IP |
| Phospho-Syk (Tyr525/526) (C87C1)Rabbit mAb | 2710S | CST | WB |
| Syk (D3Z1E) XP® Rabbit mAb | 13198s | CST | WB |
| Vav2 (C64H2) Rabbit mAb | 2848s | CST | WB |
| Vav3 antibody | 2398s  | CST | WB |
| ARP2 (D85D5) Rabbit mAb | 5614s | CST | WB |
| Arp3  | 4738s | CST | WB |
| DAP12 (D7G1X) Rabbit mAb  | 12492s | CST | WB |
| TREM2 (D8I4C) Rabbit mAb | 91068 | CST | IF |
| LAMP1 (D4O1S) Mouse mAb | 15665 | CST | IF |
| Myc-Tag (71D10) Rabbit mAb | 2278 | CST | WB |
| DYKDDDDK Tag (D6W5B) Rabbit mAb | 14793 | CST | WB |
| Anti-Apolipoprotein E [EPR19392] | ab183597 | Abcam | WB |
| Phospho-Pyk2 (Tyr402)  | 3291s | CST | WB |
| Pyk2  | 3292s | CST | WB |
| Anti-TLR4 [76B357.1]  | ab22048 | Abcam | WB |
| NF-κB p65 (C22B4) Rabbit mAb  | 4764 | CST | WB |
| IκBα (L35A5) Mouse mAb(amino-terminal antigen) | 4814 | CST | WB |
| Anti-Nucleolin  | ab22758 | Abcam | WB |