**Supplementary File 1. Antibodies used for western blot and immunostaining.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Western Blot |  |  |  |  |
| Primary Antibody (Vendor, Cat. No) | Dilution | Secondary Antibody(Vendor, Cat. No) | Conjugate | Dilution |
| Rabbit polyclonal Anti-Adiponectin, (Sigma-Aldrich, A6354, RRID:AB\_1078104) | 1:1000 | Anti-Rabbit | HRP | 1:10,000 |
| Paraffin IHC |  |  |  |  |
| Primary Antibody (Vendor, Cat. No) | Dilution | Secondary Antibody(Vendor, Cat. No) | Conjugate | Dilution |
| Anti-CD68(Abcam, UK, ab125212, RRID:AB\_10975465) | 1:1000 | ImmPRESS Reagents (Vector Labs, MP-7401, RRID:AB\_2336529) | HRP | N/A |
| Paraffin Immunofluorescence |  |  |  |  |
| Primary Antibody (Vendor, Cat. No) | Dilution | Secondary Antibody(Vendor, Cat. No) | Fluorophore | Dilution |
| Anti-Perilipin(Progen Biotechnik, Germany, GP29, RRID:AB\_2892611) | 1:400 | Donkey Anti-Guinea Pig(Jackson IR, USA, 706-605-148, RRID:AB\_2340476)  | AF647 | 1:200 |
| Frozen Immunofluorescence |  |  |  |  |
| Primary Antibody (Vendor, Cat. No) | Dilution | Secondary Antibody | Fluorophore | Dilution |
| Anti-GFP (Abcam, UK, ab13970, RRID:AB\_300798) | 1:1000 | Donkey Anti-Chicken(Jackson IR, USA, 703-545-155, RRID:AB\_2340375)  | AF488 | 1:500 |
| Anti-RFP(Abcam, UK, ab62341, RRID:AB\_945213) | 1:500 | Donkey Anti-Rabbit(Jackson IR, USA, 711-585-152, RRID:AB\_2340621)  | AF594 | 1:500 |
| Anti-Perilipin(Progen Biotechnik, Germany, GP29, RRID:AB\_2892611)) | 1:500 | Donkey Anti-Guinea Pig(Jackson IR, USA, 706-605-148, RRID:AB\_2340476)  | AF647 | 1:500 |
| ICC-IF |  |  |  |  |
| Primary Antibody (Vendor, Cat. No) | Dilution | Secondary Antibody | Fluorophore | Dilution |
| Anti-GFP (Abcam, UK, ab13970, RRID:AB\_300798) | 1:1000 | Donkey Anti-Chicken(Jackson IR, USA, 703-545-155, RRID:AB\_2340375)  | AF488 | 1:500 |
| Anti-RFP (Abcam, UK, ab62341, RRID:AB\_945213) | 1:500 | Donkey Anti-Rabbit(Jackson IR, USA, 711-585-152, RRID:AB\_2340621)  | AF594 | 1:500 |
| Anti-Perilipin(Progen Biotechnik, Germany, GP29, RRID:AB\_2892611)) | 1:500 | Donkey Anti-Guinea Pig(Jackson IR, USA, 706-605-148, RRID:AB\_2340476)  | AF647 | 1:500 |