

Major Resources Tables

Animals (in vivo studies)

| Species | Vendor or Source | Background Strain | Sex |
|------------------------------------|--|-----------------------|-----------------|
| Mouse (wt) | Jackson Laboratory | C57BL/6 | Male |
| Mouse (129SvEv/C57BL/6/mir-378-KO) | Dr. Eric Olson (University Texas Southwestern Medical Centre, Dallas, USA) | C57Bl/10ScSn-Dmdmdx/J | Male and Female |

Antibodies: WB: Western Blot, IF: immunofluorescent staining, FC: flow cytometry

| Target antigen | Vendor or Source | Catalog # | Working dilution |
|---------------------------|------------------|-------------|---------------------------------|
| anti-CD45-APC | BD Biosciences | 561018 | FC: 0.5 µg/ml |
| anti-CD29-PE | BD Biosciences | 562801 | FC: 0.5 µg/ml |
| anti-Sca-1-PE-Cy7 | Biolegend | 108113 | FC: 0.5 µg/ml |
| anti-CD31-PerCP | Biolegend | 201419 | FC: 0.5 µg/ml |
| anti-CDH5-Alexa Fluor 647 | BD Biosciences | 562242 | FC: 0.5 µg/ml |
| anti-PDGFRa-APC | eBioscience | 17-1401-81 | FC: 0.5 µg/ml |
| anti-CD117-PE | Biolegend | 105807 | FC: 0.5 µg/ml |
| anti-CD34-APC | Biolegend | 128611 | FC: 0.5 µg/ml |
| anti-CD44-PerCP | Biolegend | 103035 | FC: 0.5 µg/ml |
| anti-CD11b-PE | Biolegend | 101205 | FC: 0.5 µg/ml |
| anti-FABP4 | Abcam | ab92501 | IF: 1 µg/ml |
| anti-OPN | R&D systems | AF808 | IF: 1 µg/ml |
| anti-PLIN1 | Abcam | ab3526 | IF: 5 µg/ml |
| anti-CD31-AlexaFluor 647 | Biolegend | 102516 | IF: 2.5 µg/ml |
| anti-Sca-1 | Abcam | ab51317 | IF: 5 µg/ml |
| anti-CD29 | R&D Systems | AF2405-SP | IF: 1 µg/ml |
| anti-CNN1 | Abcam | ab46794 | WB: 0.05 µg/ml IF: 0.2 µg/ml |
| anti-TAGLN | Abcam | ab14106 | WB: 0.5 µg/ml IF: 2 µg/ml |
| anti-ACTA2 | Sigma | 2547-100 | WB: 2X10 ⁻⁶ M |
| anti-ACTA2 | Sigma | C6198-2ML | IF: 2X10 ⁻⁵ M |
| anti-ACTA2 | Abcam | ab184675 | IF: 2.5 µg/ml |
| anti-TGFb1 | Abcam | ab92486 | WB: 0.5 µg/ml IF: 5 µg/ml |
| anti-RFP | Rockland | 600-401-379 | IF: 5 µg/ml |

Q-PCR primers

| Gene Symbol | Species | Sequence (5'→3') |
|--------------|---------|---|
| <i>Acta2</i> | Mouse | F: 5'-TCAGGGAGTAATGGTTGGAATG-3' R: 5'-GGTGATGATGCCGTGTTCTA-3' |
| <i>Bglap</i> | Mouse | F: 5'-GCAATAAGGTAGTGAACAGACTCC-3' R: 5'-GTTTGTAGGCGGTCTTCAAGC-3' |
| <i>Cebpa</i> | Mouse | F: 5'-ATACTCAAACACTCGCTCCTTTTCC-3' |

| | | |
|---------------|-------|--|
| | | R: 5'-GGATCTCAGCTTCCTGTATCTTCC-3' |
| <i>Cebpb</i> | Mouse | F: 5'-GTAATCACTTAAAGATGTTTCCTGCGG-3' R: 5'-ACTTTAATGCTCGAAACGGAAAAGG-3' |
| <i>Cebpd</i> | Mouse | F: 5'-CCTTCTACGAGCCAGGCAGG-3' R: 5'-GTCAATGTAGGCGCTGAAGTCG-3' |
| <i>Cnn1</i> | Mouse | F: 5'-GGTCCTGCCTACGGCTTGTC-3' R: 5'-TCGCAAAGAATGATCCCGTC-3' |
| <i>Cpt1a</i> | Mouse | F: 5'-CTCCGCTCGCTCATTCC-3' R: 5'-TGCCATTCTTGAATCGGATG-3' |
| <i>Cpt1b</i> | Mouse | F: 5'-ATGGTGGGCAACTAATATGT-3' R: 5'-AGTTTGC GGCGATACATGA-3' |
| <i>Crat</i> | Mouse | F: 5'-AAGAAAATGGAGA ACTGGCTGTCC-3' R: 5'-ACCCTCGATGAGTTTGGCAGC-3' |
| <i>Fabp4</i> | Mouse | F: 5'-TGTCTCCAGTGAAA ACTTCG-3' R: 5'-TGACCAAATCCCCATTTACG-3' |
| <i>Ppara</i> | Mouse | F: 5'-TACTGCCGTTTTT CACAAGTGC-3' R: 5'-AGGTCGTGTT CACAGGTAAGA-3' |
| <i>Ppard</i> | Mouse | F: 5'-GAAGAGGAGAAAGAGGAAGTGGC-3' R: 5'-GAGGAAGGGGAGGAATTCTGG-3' |
| <i>Pparg</i> | Mouse | F: 5'-GTGATCTTAACTGCCGATCCAC-3' R: 5'-CTCTGGGTT CAGCTGGTCGATA-3' |
| <i>Prdm16</i> | Mouse | F: 5'-AAGAAAATGGAGA ACTGGCTGTCC-3' R: 5'-ACCCTCGATGAGTTTGGCAGC-3' |
| <i>Runx2</i> | Mouse | F: 5'-ACAGTCTT CACAAATCCTCC-3' R: 5'-GACACCTACTCTCATACTGG-3' |
| <i>Tagln</i> | Mouse | F: 5'-GATATGGCAGCAGTGCAGAG-3' R: 5'-AGTTGGCTGTCTGTGAAGTC-3' |
| <i>Tgfb1</i> | Mouse | F: 5'-CCACCTGCAAGACCATCGAC-3' R: 5'-CTGGCGAGCCTTAGTTTGGAC-3' |
| <i>Ucp1</i> | Mouse | F: 5'-CCATGTACACCAAGGAAGGACC-3' R: 5'-CAAGTTGCTTATGTGGTACAATCC-3' |