

## Supplementary Figure S1

The volume density ( $V_v \times 200$ ) of Oil Red O-positive rabbit ADSCs after acetate treatment in Experiment 1 (A), ERK1/2 signaling activator (Ceramide C6) and acetate treatments in Experiment 2 (B), or mTOR signaling activator (MHY1485) and acetate treatments in Experiment 3 (C).

