

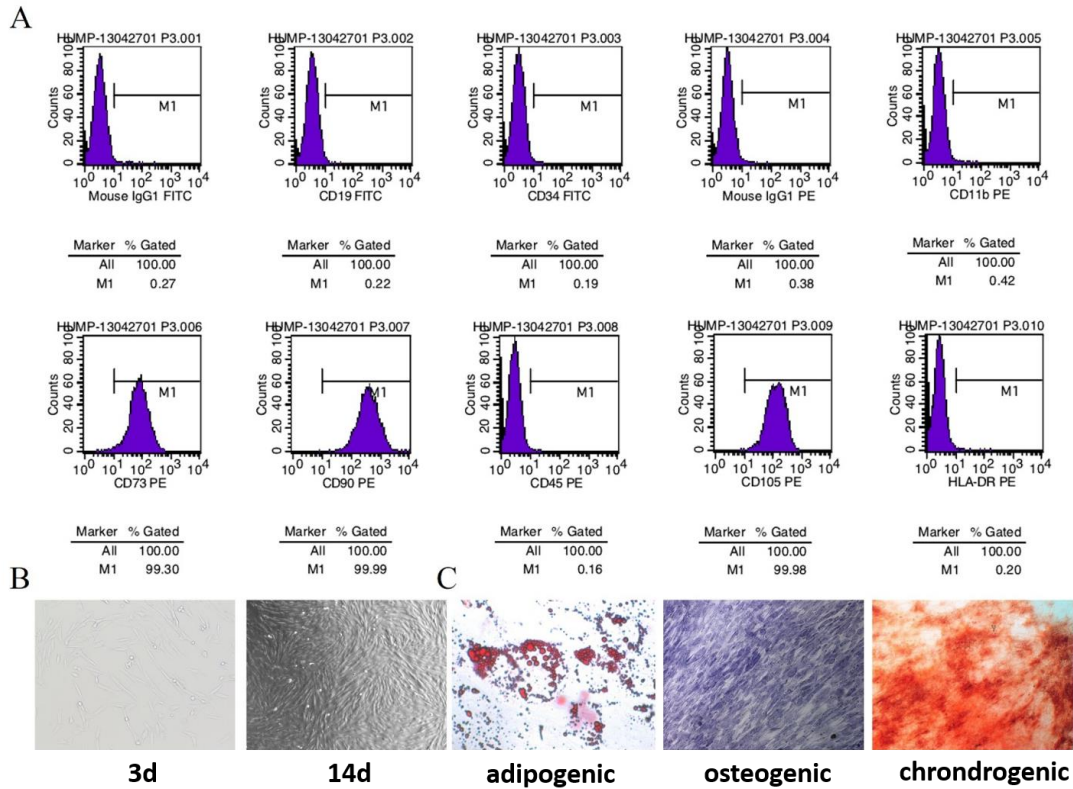
SUPPLEMENTARY INFORMATION TO

**Mesenchymal stem cells promote colorectal cancer
progression through AMPK/mTOR-mediated NF- κ B
activation**

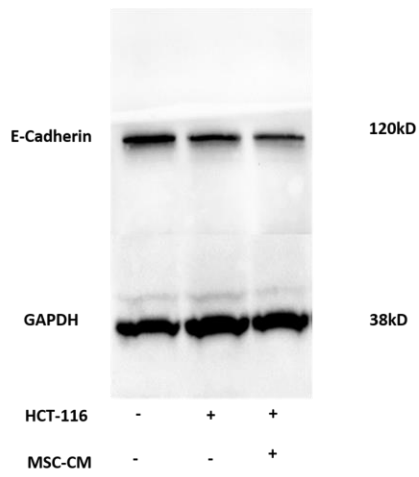
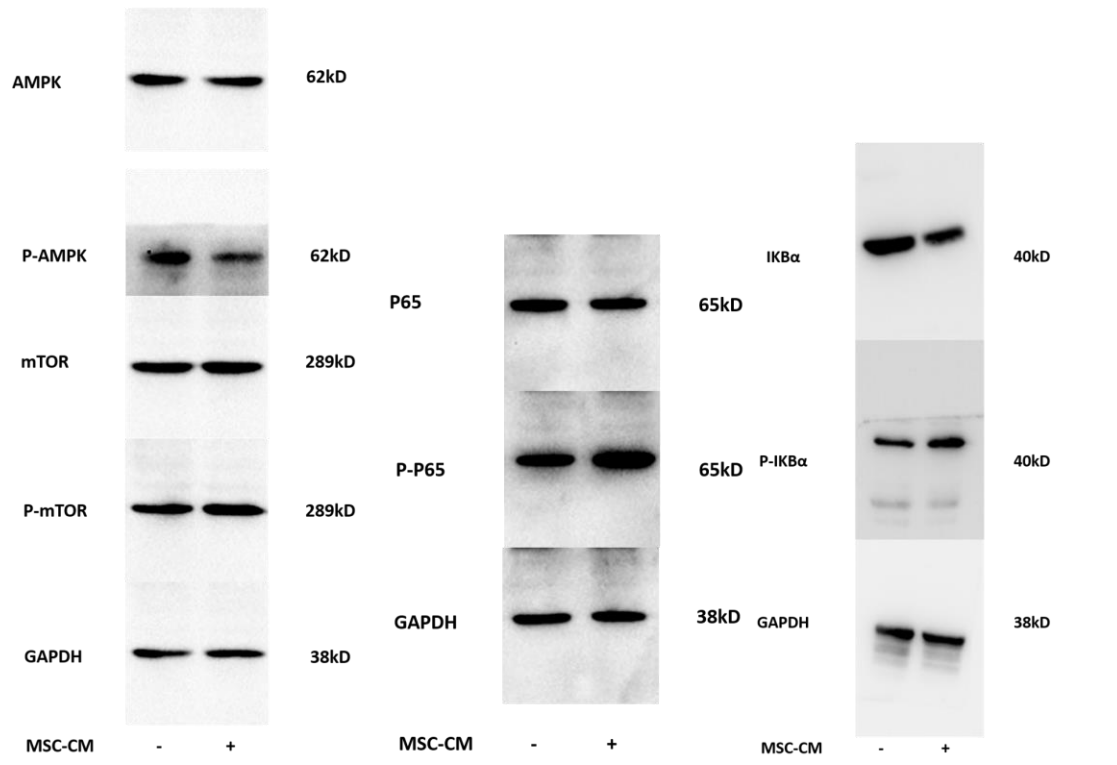
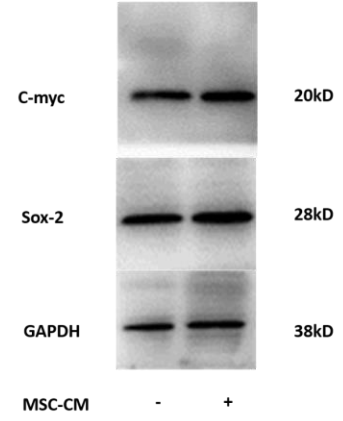
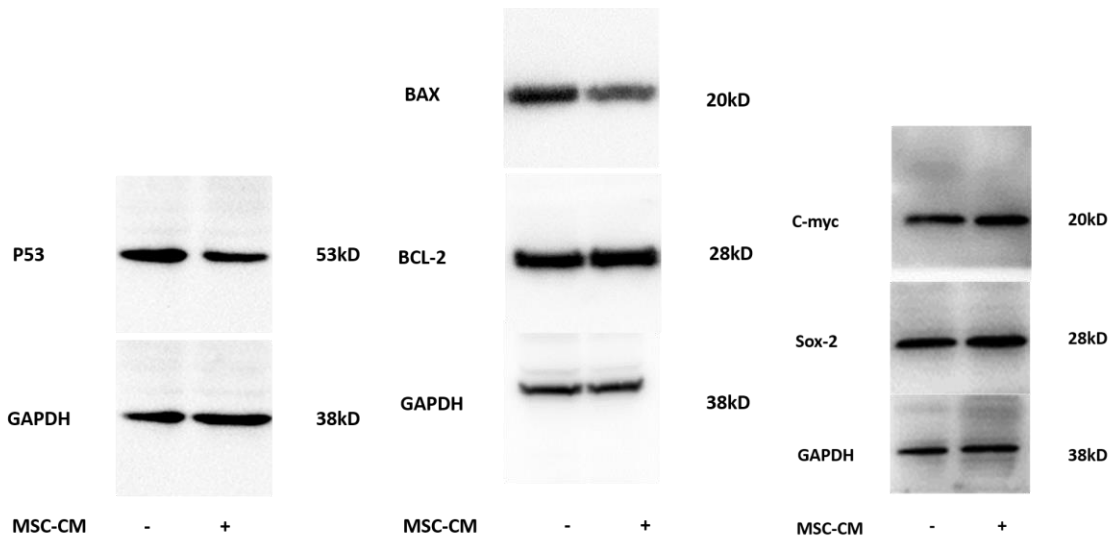
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Supplementary Figure S1. Identification of Mesenchymal stem cells (MSCs). (A) cells were detached and labeled with CD19, CD34, CD73, CD90, CD45 and CD105 fluorescent conjugated antibodies and the percentages of CD19(-), CD34(-), CD73(+), CD90(+), CD45(-) and CD105(+) cells were detected by Flow cytometry. (B) Morphology of cultured MSC in day 3 and day 14. (C) MSCs were seeded into 24-well plates (per well) and cultured in adipogenic , osteogenic and chondrogenic differentiation medium, after 4 weeks, cells were stained with Oil Red O, β - alizarin red and toluidine blue.



Supplementary Figure S2. Full-length blots of status of P53, Bax, Bcl-2, c-myc, Sox-2, E-Cadherin P65 and AMPK, mTOR, P65, I κ B α phosphorylation in HCT-116 after treated with MSC-CM