

Supplementary Table 1. Primary antibodies used in this study and testing conditions

No.	Target	Dilution	Company and Catalog No.	Predicted MW (kDa)	Observed MW (kDa)
01	GAPDH	1:5000	Proteintech, GAPDH Rabbit pAb, 10494-1-AP	36	36
02	PI3K	1:1000	EnoGene, PI2-kinase p85- α/γ (Ab-467/199) Rabbit mAb, E11-1224B	85	85~100
03	β -catenin	1:1000	Cell Signaling, β -Catenin (6B3) Rabbit mAb , #9582P	92	100
04	mTOR	1:1000	Cell Signaling, mTOR (7C10) Rabbit mAb, #2983	289	289
05	STAT3	1:1000	Proteintech, STAT3 Rabbit pAb, 10253-1-AP	79-86	79-86~100
06	TGF β 1	1:1000	Proteintech, TGF β 1 Rabbit pAb, 18978-1-AP	43	44
07	CD63	1:1000	Abcam, CD63 Rabbit pAb, ab216130	26	40
08	CD9	1:1000	Abcam, CD9 (EPR2949) Rabbit mAb, ab92726	25	40
09	α -SMA	1:1000	Proteintech, α -SMA Rabbit pAb, 14395-1-AP	43	43
10	Vimentin	1:1000	Cloud Clone, Vimentin Rabbit pAb, PAB040Hu01	52-58	52-58
11	FAP	1:1000	MYBioSource, FAP alpha (MBS8244119) Rabbit pAb, MBS8241750	80-100	80-100
12	CD133	1:1000	Abcam, CD133 Rabbit pAb, ab19898	123	123
13	nestin	1:1000	Abcam, nestin Mouse mAb, ab22035	176	176

Supplementary Table 2. QPCR primer sequences used in this

mRNA	Forward sequence	Reverse sequence
PI3K	AGTAGGCAACCGTGAAGAAAAG	GAGGTGAATTGAGGTCCCTAAGA
TGFb1	CACCCGCGTGCTAATGG	TGTGTACTCTGCTTGAAC TTGTCAT
mTOR	CTGGGACTCAAATGTGTGCAGTTC	GAACAATAGGGTGAATGATCCGGG
STAT3	ACCAGCAGTATAGCCGCTTC	GCCACAATCCGGGCAATCT
Akt	TCACCTCTGAGACCGACACC	ACTGGCTGAGTAGGAGAACTGG
GAPDH	CATCATCCCTGCCTCTACTG	GCCTGCTTCACCACCTTC