

Supplemental Table 1. Primers used for qRT-PCR or construction and siRNA

Primers used for qRT-PCR	
Symbol	Sequence (5'-3')
GAPDH_L	CAACGGATTGGTCGTATTGG
GAPDH_R	TGACGGTGCCATGGAATTT
RAC1_L	TCCGTGCAAAGTGGTATCCT
RAC1_R	TCGCTTCGTCAAACACTGTC
RAC2_L	TACATCCCCACCGTGTGTTGA
RAC2_R	TCATAAGAGGCTGGGCTGAC
RAB10_L	AGACCCCTGTAAAAGAGCCC
RAB10_R	AGTCAGCAAGCAGTCACAGA
RAB11A_L	CTACGTATCTCAGGGCAGT
RAB11A_R	ACTGCACCTTTGGCTTGTTT
RAB11B_L	TTCAAAGTGGTGCTCATCGG
RAB11B_R	TCATAGGTCAGGTGCTTGCC
RHOA_L	CACAGTGCTCTTTCTCCTCA
RHOA_R	AGTTTAGTCAGCTGGAGAGAAG
RHOC_L	GCAATCCGAAAGAAGCTGGT
RHOC_R	TCCACCTCAATGTCCGCAAT
LASP1_L	GAAGAAGCCCTACTGCAACG
LASP1_R	TTGATTCTCTGGAGCTCGGG
PFN1_L	CCAAGACTGACAAGACGCTAG
PFN1_R	AAGGGGTATGGGGTAATGGC
FOSL2_L	GCCAGCAGAAATCCGGG
FOSL2_R	GGGTTGGACATGGAGGTGAT
AFAP1-AS1_L	AATGGTGGTAGGAGGGAGGA
AFAP1-AS1_R	CACACAGGGGAATGAAGAGG

The wild type and mutant sequences for vectors construction

Symbol	Sequence (5'-3')
423-5p-AFAP1-AS1-WT_L	CTAGTTTTCCAGGTGTGAGCTGCTCCTCTCCCCATCTGCCCTCTCAAAGAAACAA
423-5p-AFAP1-AS1-WT_R	AGCTTTGTTTCTTTGAGGAGGGGCAGATGGGGGAGAGGAGCAGCTCACACCTGGAAAA
423-5p-AFAP1-AS1-MT_L	CTAGTTTTCCAGGTGTGAGCTGCTCCTCTCCCCACTCAAAGAAACAA
423-5p-AFAP1-AS1-MT_R	AGCTTTGTTTCTTTGAGTGGGGGAGAGGAGCAGCTCACACCTGGAAAA
423-5p-FOSL2-WT_L	CTAGTGCTGGACCTTCCCCAGATGCTGCCAGGCAGCCCCTCCCCAAGCCTCAAAGAA
423-5p-FOSL2-WT_R	AGCTTTCTTTGAGGCTTGGGGAGGGGCTGCCTGGCAGCATCTGGGGAAAGTCCAGGCA
423-5p-FOSL2-MT_L	CTAGTGCTGGACCTTCCCCAGATGCTGCCAGGCA CTAGGCACCCAAAGCCTCAAAGAA
423-5p-FOSL2-MT_R	AGCTTTCTTTGAGGCTTGGGTGCCTAGTGCCTGGCAGCATCTGGGGAAAGTCCAGGCA
pAP1-PFN1-WT_L	CCGCGGCTGAGTCACCCGCGGTGAGTCACCCGCGGTGAGTCACA
pAP1-PFN1-WT_R	GATCTGTGACTCAGCCGCGGTGACTCAGCCGCGGTGACTCAGCCGCGGTGAC
pAP1-PFN1-MT_L	CTGCGGCCTGGGACCTGCGGCCTGGGACCTGCGGCCTGGGACCA
pAP1-PFN1-MT_R	GATCTGGTCCCAGGCCGAGGTCCCAGGCCGCGAGTCCCAGGCCGAGGTAC
423-5p-RAC1-WT_L	CTAGTAGAAAATGCTGCTGTTGTAATGTCTCAGCCCTCGTTCTTGGTCTGTCCA
423-5p-RAC1-WT_R	AGCTTGGACAGGACCAAGAACGAGGGGCTGAGACATTTACAACAGCAGGCATTTTCTA
423-5p-RAC1-MT_L	CTAGTAGAAAATGCTGCTGTTGTAATGTCTCACAATGTGTTCTTGGTCTGTCCA
423-5p-RAC1-MT_R	AGCTTGGACAGGACCAAGAACACATTTGTGAGACATTTACAACAGCAGGCATTTTCTA
423-5p-RAB11B-WT_L	CTAGTCCGCCCGCCCCGCCACGGTATCCTCTGGCCCCCTCCCTGCTGTCCCTCTGTGA
423-5p-RAB11B-WT_R	AGCTTCACAGAGGGACAGCAGGGAGGGGCCAGAGGATACCGTGGCGGGGGCGGGCGGA
423-5p-RAB11B-MT_L	CTAGTCCGCCCGCCCCGCCACGGTATCCTCTGAATATGACCTGCTGTCCCTCTGTGA
423-5p-RAB11B-MT_R	AGCTTCACAGAGGGACAGCAGGTATTCAGAGGATACCGTGGCGGGGGCGGGCGGA
423-5p-LASP1-WT_L	CTAGTGTGGGCTCACCTGCCCTCTGTTCTCTCCCCTCACATCCTCTGCCAGCTA
423-5p-LASP1-WT_R	AGCTTAGCTGGGCAGGAGGATGTGAGGGGAGAGAACAGAGGGGCAGGTGAGGCCACACA
423-5p-LASP1-MT_L	CTAGTGTGGGCTCACCTGCCCTCTGTTCTCTTTAAGTCCATCCTCTGCCAGCTA
423-5p-LASP1-MT_R	AGCTTAGCTGGGCAGGAGGATGGACTTAAAGAGAACAGAGGGGCAGGTGAGGCCACACA

The primers for the AFAP1-AS1 overexpression vectors

Symbol	Sequence (5'-3')
AFAP1-AS1_L	GCTGGCTAGCGTTTAAACTTAAGCTTCAGTGCCTCCCTCGCTCAAT
AFAP1-AS1_R	TGCAGAATCCACCACACTGGATCCTTTGTTTGTGTTTATTTTAAATG

siRNAs

Symbol	Sequence (5'-3')
siAFAP1-AS1	CCTATCTGGTCAACACGTATT
siFOSL2	AAGACCUGGCGUGAUCAAGACCAU