

Table S1 | Primer information

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
Rap1a (mus)	ATGCGTGAGTACAAGCTAGTAGT	AATCTACCTCGACTTGCTTTCTG
Rap1b (mus)	GCGGGTTAAAGACACTGATGA	CTTGCTAGGTTCTGACCTTGTTTC
β -actin (mus)	CGTGCGTGACATCAAAGAGAAG	CAAGAAGGAAGGCTGGAAAAGA

Table S2 | Antibody information

Antibody	Use concentration	Catalog no.	Vendor
Rabbit anti-RAP1A antibody	1: 3000	ab115776	Abcam (USA)
rabbit anti-RAP1B antibody	1: 3000	ab182606	Abcam (USA)
rabbit anti-RAP1GAP antibody	1: 3000	ab32373	Abcam (USA)
mouse anti-active Rap1 monoclonal antibody	1: 3000	26912	NewEast (USA)
rabbit anti-Rap1 antibody	1: 3000	07-916	Millipore (USA)
mouse anti-beta III Tubulin	1: 200	MAB1637	Millipore (USA)
Anti mouse Alexa fluor 555	1: 200	P0190	Beyotime (China)
mouse anti-active Rap1 monoclonal antibody	1: 200	26912	NewEast (USA)
anti- β -actin antibody	1: 5000	A1978	Sigma (USA)
Goat anti mouse secondary antibody	1: 1000	A0216	Beyotime (China)
Goat anti rabbit secondary antibody	1: 1000	A0208	Beyotime (China)
Mouse IgG antibody	1: 1000	A7028	Beyotime (China)